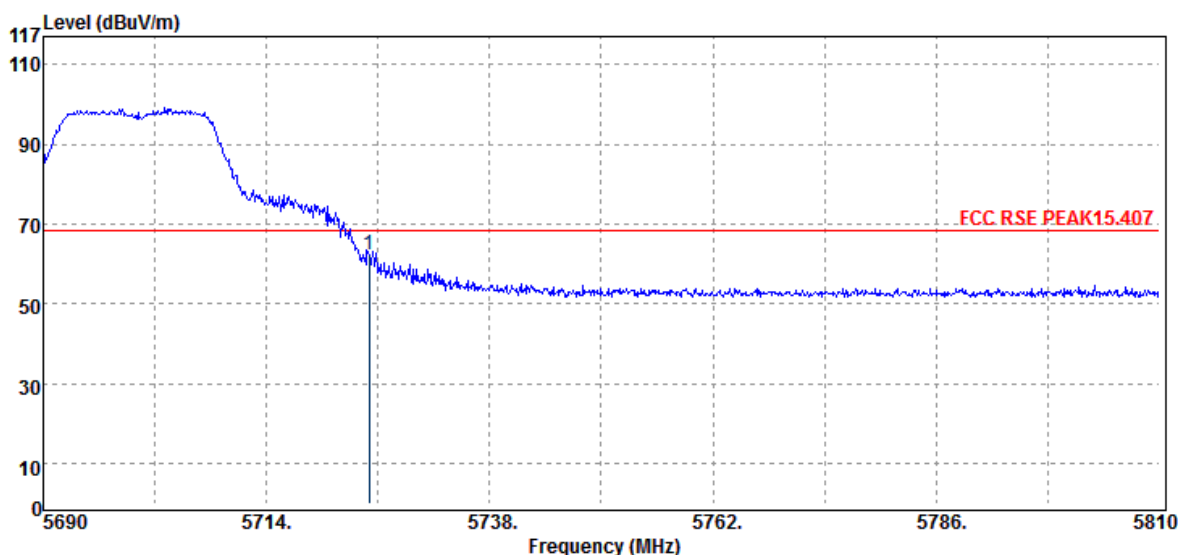


Operation Band :802.11n20B3
Fundamental Frequency :5700 MHz
Operation Mode :Bandedge CH HIGH
EUT Pol. :H Plane

Test Date :2017-05-12
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :VERTICAL



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
5725.00	E	Peak	55.56	6.59	62.15	68.30	-6.15

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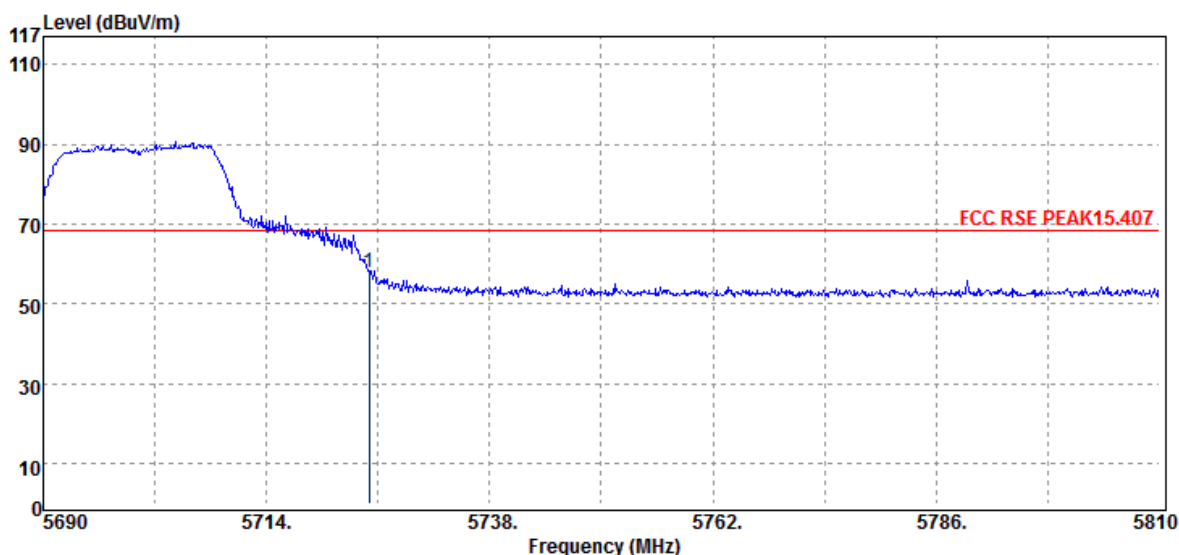
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Operation Band	:802.11n20B3	Test Date	:2017-05-12
Fundamental Frequency	:5700 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Mike
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
5725.00	E	Peak	51.36	6.59	57.95	68.30	-10.35

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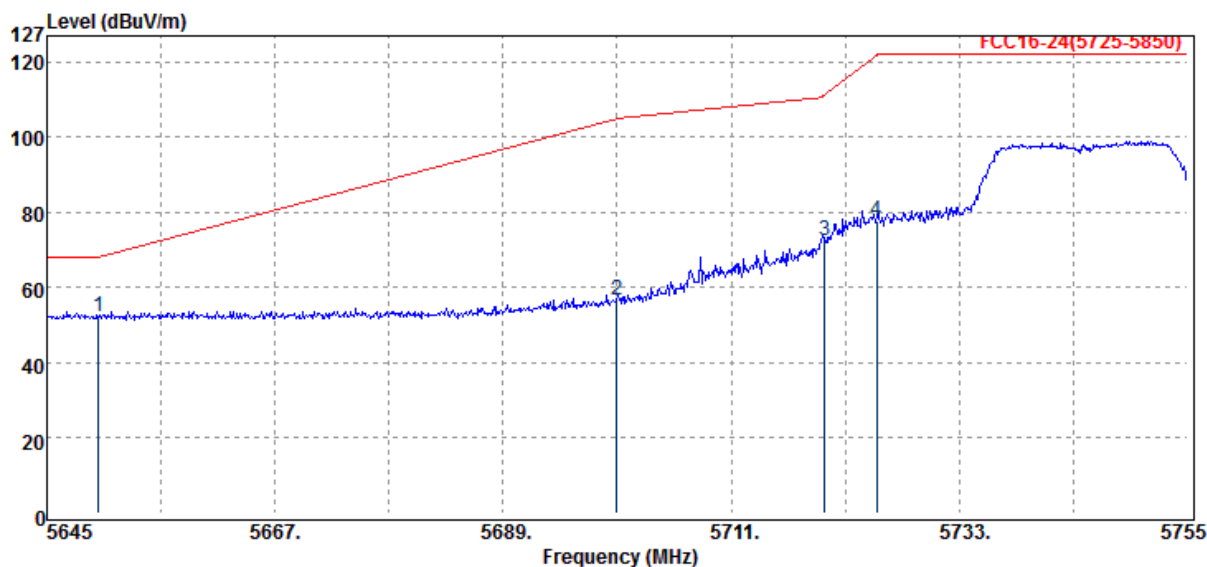
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Operation Band :802.11n20B4
Fundamental Frequency :5745 MHz
Operation Mode :Bandedge CH LOW
EUT Pol. :H Plane

Test Date :2017-05-12
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5650.00	E	Peak	45.68	6.48	52.16	68.23	-16.07
5700.00	E	Peak	50.10	6.67	56.77	105.23	-48.46
5720.00	E	Peak	65.85	6.60	72.45	110.83	-38.38
5725.00	E	Peak	71.40	6.59	77.99	122.23	-44.24

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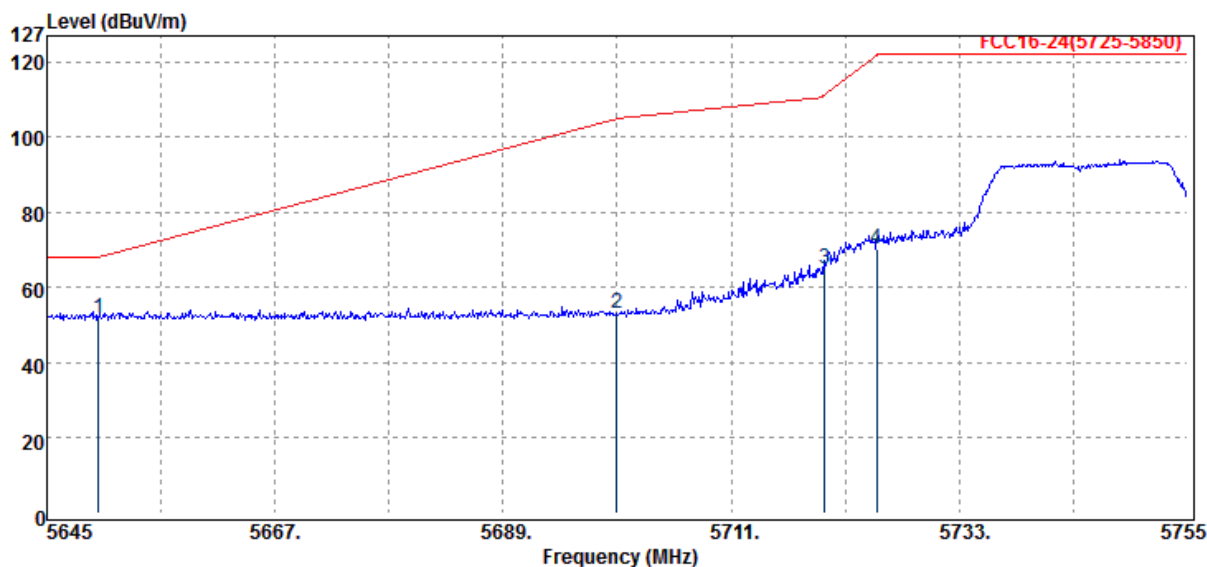
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Operation Band :802.11n20B4
Fundamental Frequency :5745 MHz
Operation Mode :Bandedge CH LOW
EUT Pol. :H Plane

Test Date :2017-05-12
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5650.00	E	Peak	45.42	6.48	51.90	68.23	-16.33
5700.00	E	Peak	46.65	6.67	53.32	105.23	-51.91
5720.00	E	Peak	58.28	6.60	64.88	110.83	-45.95
5725.00	E	Peak	63.93	6.59	70.52	122.23	-51.71

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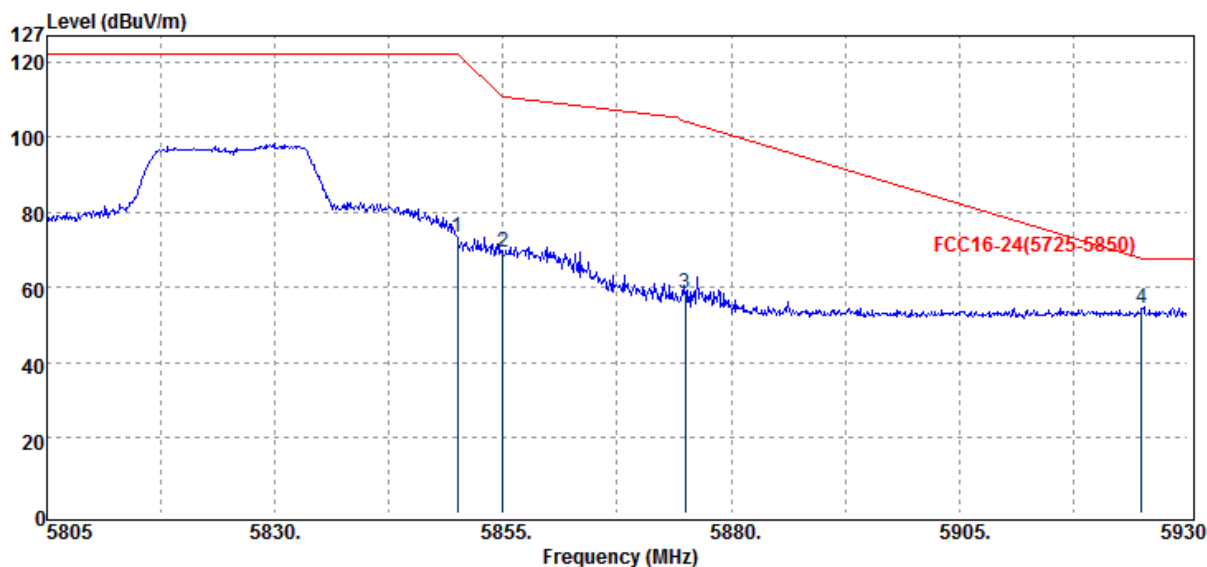
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Operation Band :802.11n20B4
Fundamental Frequency :5825 MHz
Operation Mode :Bandedge CH HIGH
EUT Pol. :H Plane

Test Date :2017-05-12
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.00	E	Peak	65.90	7.28	73.18	122.23	-49.05
5855.00	E	Peak	62.08	7.32	69.40	110.83	-41.43
5875.00	E	Peak	50.89	7.37	58.26	105.23	-46.97
5925.00	E	Peak	46.99	7.39	54.38	68.23	-13.85

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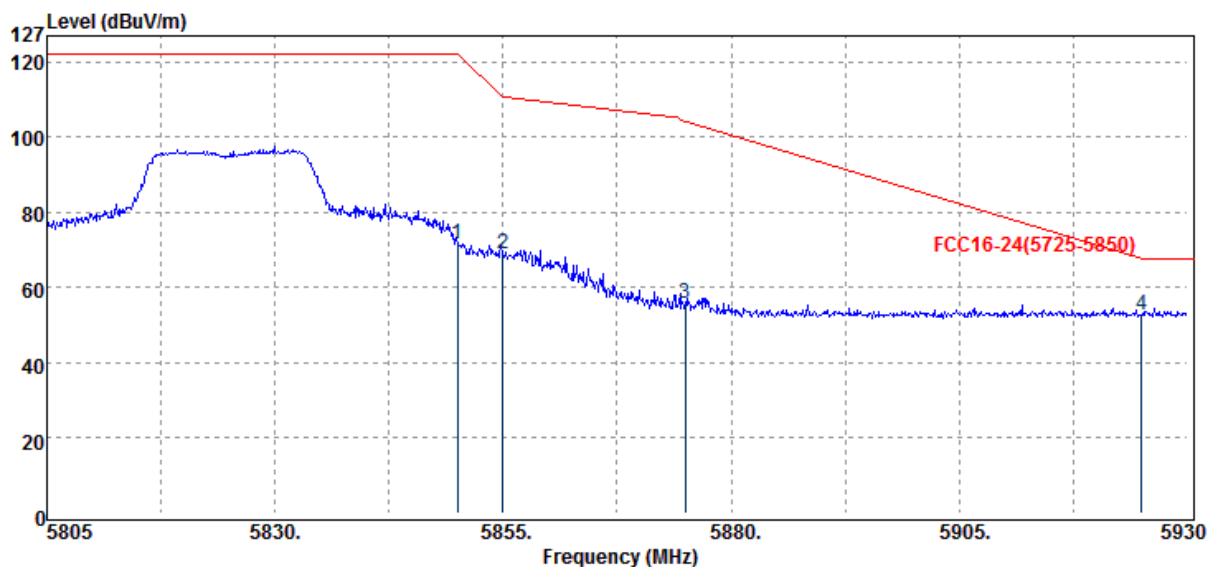
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Operation Band :802.11n20B4
Fundamental Frequency :5825 MHz
Operation Mode :Bandedge CH HIGH
EUT Pol. :H Plane

Test Date :2017-05-12
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.00	E	Peak	64.17	7.28	71.45	122.23	-50.78
5855.00	E	Peak	61.79	7.32	69.11	110.83	-41.72
5875.00	E	Peak	48.28	7.37	55.65	105.23	-49.58
5925.00	E	Peak	45.29	7.39	52.68	68.23	-15.55

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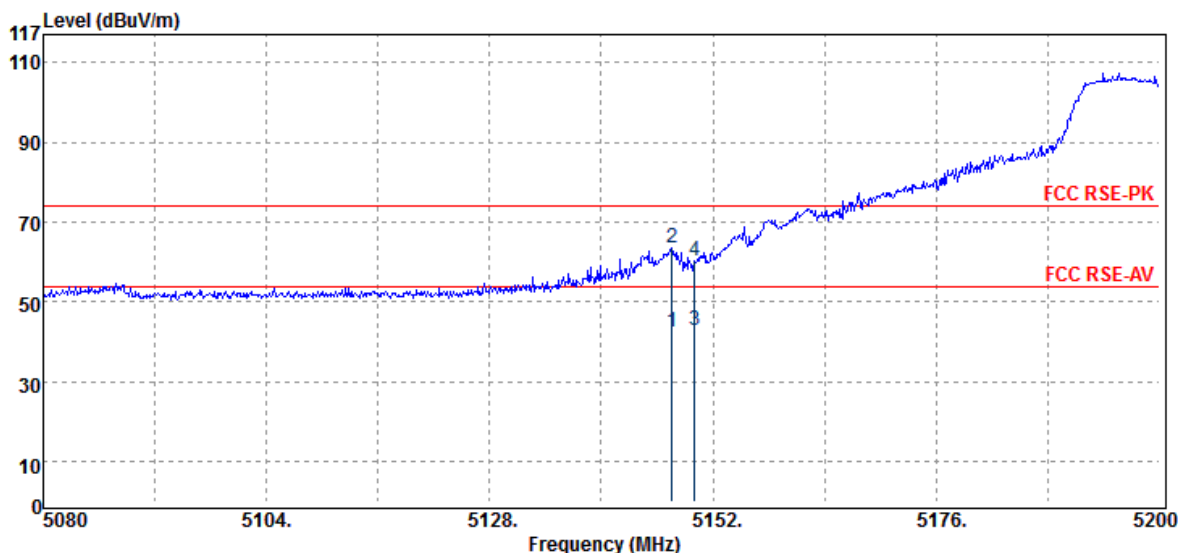
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802.11n40 HT mode

Operation Band :802.11n40B1
Fundamental Frequency :5190 MHz
Operation Mode :Bandedge CH LOW
EUT Pol. :H Plane

Test Date :2017-05-12
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5147.56	S	Average	36.56	5.89	42.45	54.00	-11.55
5147.56	S	Peak	57.50	5.89	63.39	74.00	-10.61
5150.00	E	Average	37.11	5.88	42.99	54.00	-11.01
5150.00	E	Peak	54.44	5.88	60.32	74.00	-13.68

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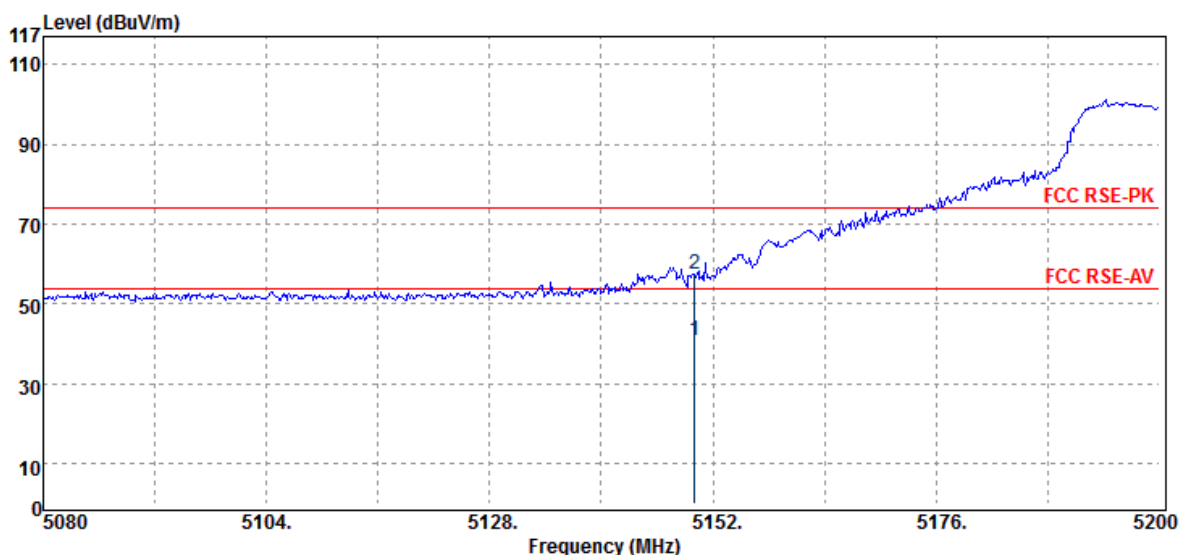
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Operation Band :802.11n40B1
Fundamental Frequency :5190 MHz
Operation Mode :Bandedge CH LOW
EUT Pol. :H Plane

Test Date :2017-05-12
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5150.00	E	Average	35.20	5.88	41.08	54.00	-12.92
5150.00	E	Peak	51.53	5.88	57.41	74.00	-16.59

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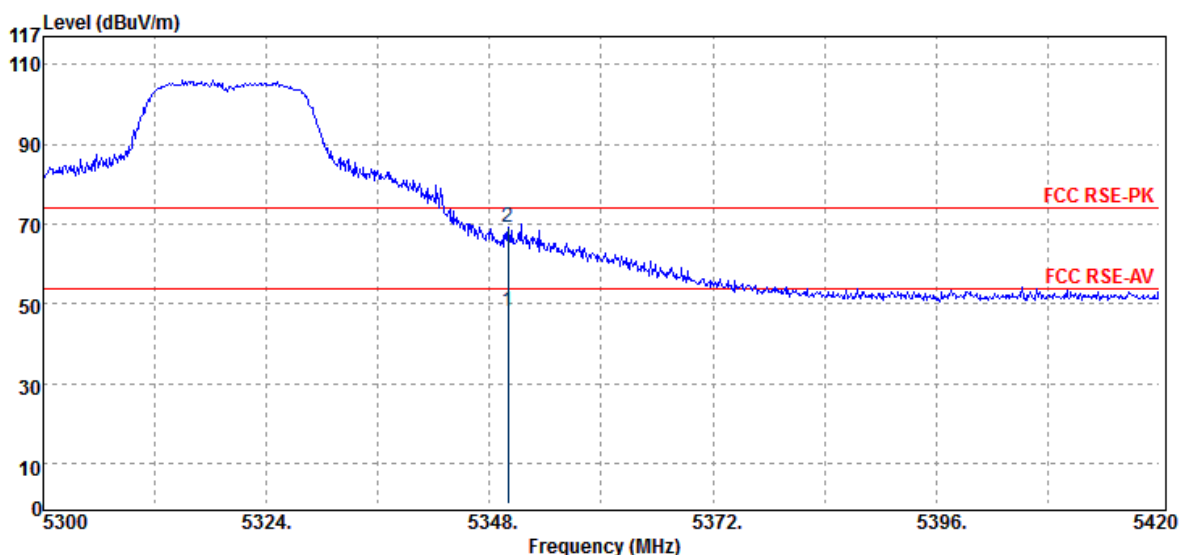
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Operation Band :802.11n40B2
Fundamental Frequency :5310 MHz
Operation Mode :Bandedge CH HIGH
EUT Pol. :H Plane

Test Date :2017-05-15
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.00	E	Average	41.87	6.16	48.03	54.00	-5.97
5350.00	E	Peak	63.03	6.16	69.19	74.00	-4.81

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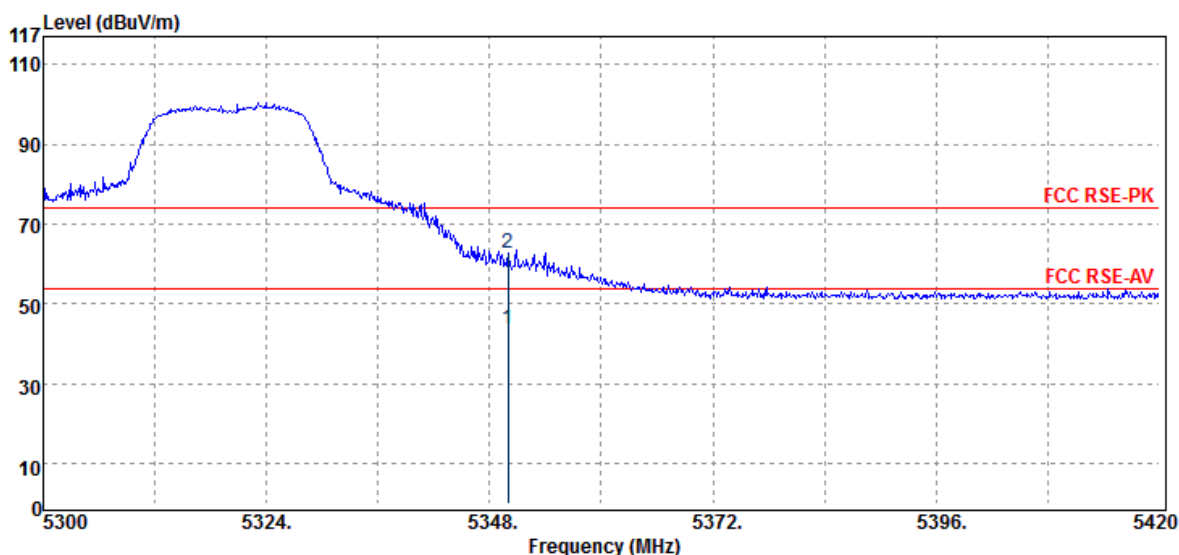
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Operation Band :802.11n40B2
Fundamental Frequency :5310 MHz
Operation Mode :Bandedge CH HIGH
EUT Pol. :H Plane

Test Date :2017-05-15
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.00	E	Average	37.39	6.16	43.55	54.00	-10.45
5350.00	E	Peak	56.55	6.16	62.71	74.00	-11.29

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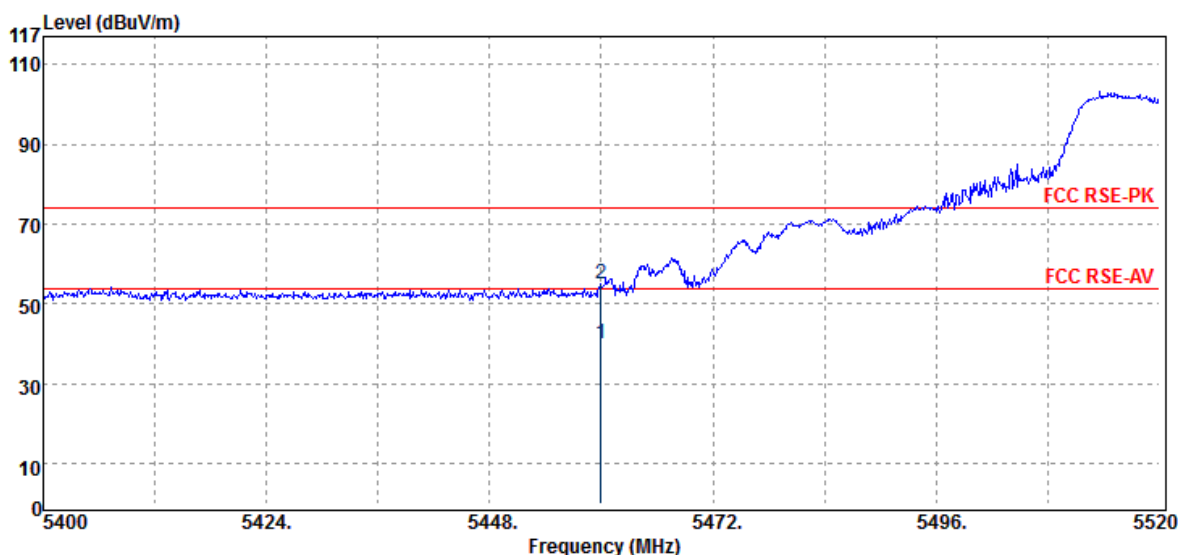
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Operation Band :802.11n40B3
Fundamental Frequency :5510 MHz
Operation Mode :Bandedge CH LOW
EUT Pol. :H Plane

Test Date :2017-05-15
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5460.00	E	Average	33.74	6.23	39.97	54.00	-14.03
5460.00	E	Peak	48.74	6.23	54.97	74.00	-19.03

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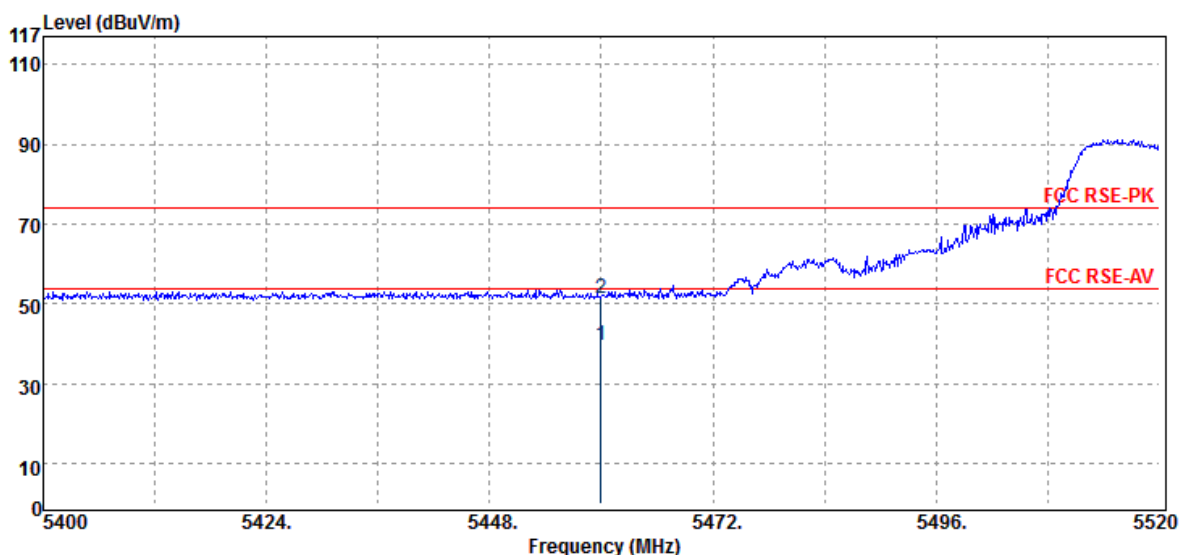
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Member of SGS Group

Operation Band :802.11n40B3
Fundamental Frequency :5510 MHz
Operation Mode :Bandedge CH LOW
EUT Pol. :H Plane

Test Date :2017-05-15
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5460.00	E	Average	33.47	6.23	39.70	54.00	-14.30
5460.00	E	Peak	45.14	6.23	51.37	74.00	-22.63

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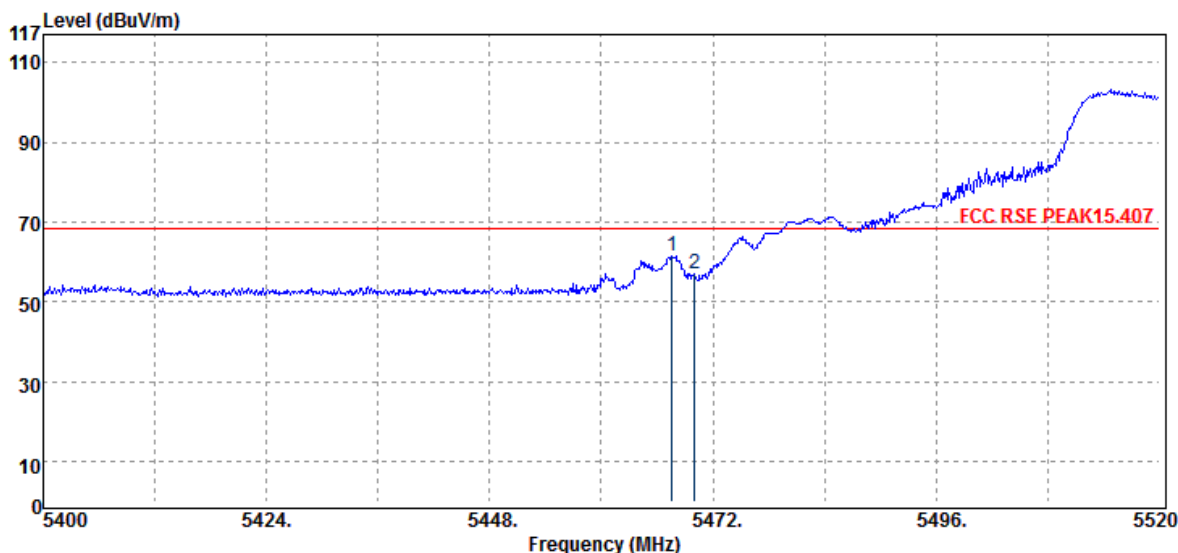
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Member of SGS Group

Operation Band	:802.11n40B3	Test Date	:2017-05-15
Fundamental Frequency	:5510 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Bandedge CH LOW RSE	Engineer	:Mike
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
5467.56	S	Peak	55.31	6.25	61.56	68.30	-6.74
5470.00	E	Peak	50.62	6.26	56.88	68.30	-11.42

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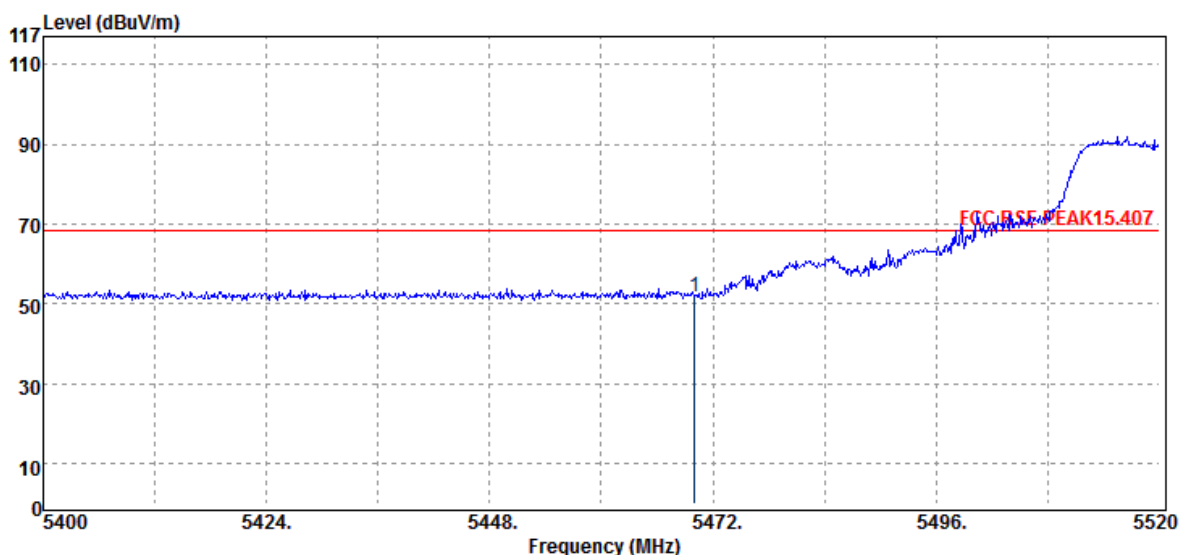
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Operation Band	:802.11n40B3	Test Date	:2017-05-15
Fundamental Frequency	:5510 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Bandedge CH LOW RSE	Engineer	:Mike
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
5470.00	E	Peak	45.73	6.26	51.99	68.30	-16.31

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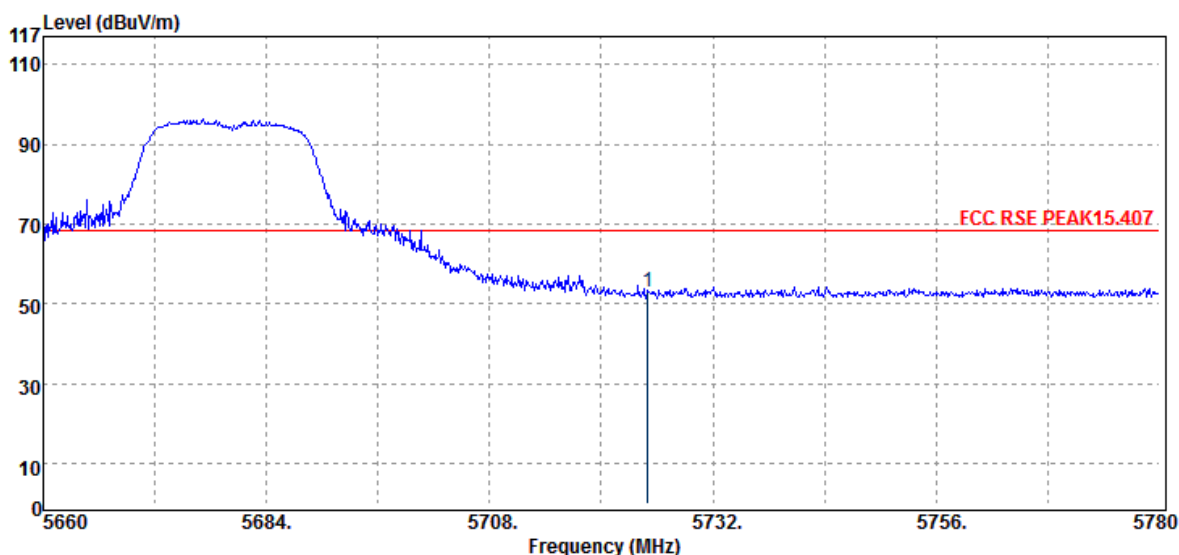
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Member of SGS Group

Operation Band :802.11n40B3
Fundamental Frequency :5670 MHz
Operation Mode :Bandedge CH HIGH
EUT Pol. :H Plane

Test Date :2017-05-15
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :VERTICAL



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
5725.00	E	Peak	46.47	6.59	53.06	68.30	-15.24

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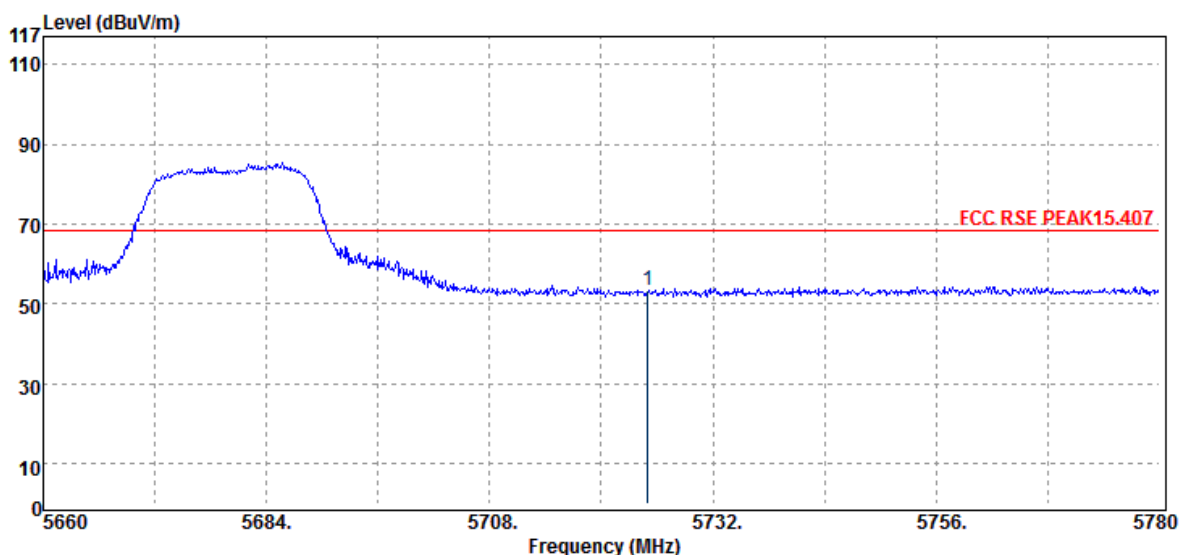
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Operation Band	:802.11n40B3	Test Date	:2017-05-15
Fundamental Frequency	:5670 MHz	Temp./Humi.	:22 deg_C / 61 RH
Operation Mode	:Bandedge CH HIGH	Engineer	:Mike
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
5725.00	E	Peak	46.90	6.59	53.49	68.30	-14.81

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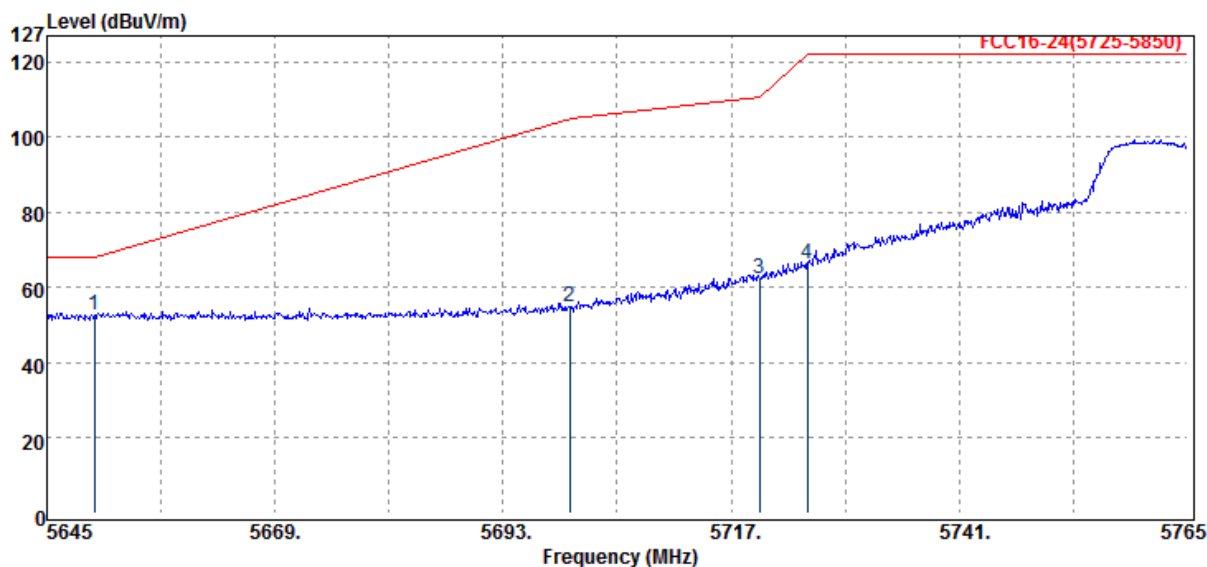
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Member of SGS Group

Operation Band :802.11n40B4
Fundamental Frequency :5755 MHz
Operation Mode :Bandedge CH LOW
EUT Pol. :H Plane

Test Date :2017-05-15
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5650.00	E	Peak	46.14	6.48	52.62	68.23	-15.61
5700.00	E	Peak	48.20	6.67	54.87	105.23	-50.36
5720.00	E	Peak	56.00	6.60	62.60	110.83	-48.23
5725.00	E	Peak	59.72	6.59	66.31	122.23	-55.92

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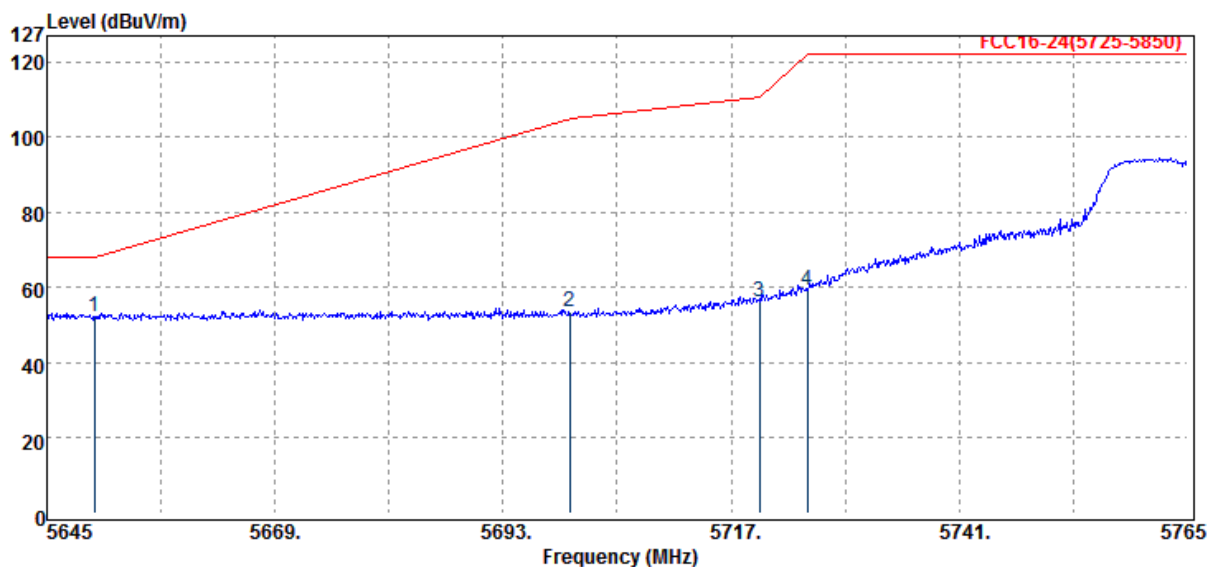
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Operation Band :802.11n40B4
 Fundamental Frequency :5755 MHz
 Operation Mode :Bandedge CH LOW
 EUT Pol. :H Plane

Test Date :2017-05-15
 Temp./Humi. :22 deg_C / 61 RH
 Engineer :Mike
 Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5650.00	E	Peak	45.63	6.48	52.11	68.23	-16.12
5700.00	E	Peak	46.93	6.67	53.60	105.23	-51.63
5720.00	E	Peak	49.62	6.60	56.22	110.83	-54.61
5725.00	E	Peak	52.94	6.59	59.53	122.23	-62.70

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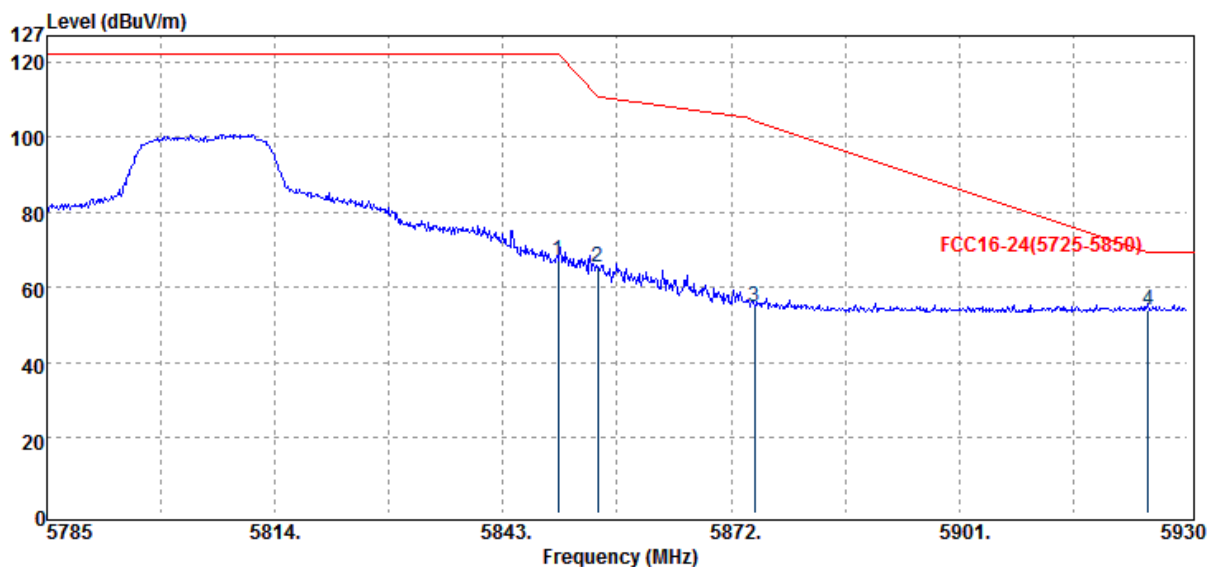
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Operation Band :802.11n40B4
Fundamental Frequency :5795 MHz
Operation Mode :Bandedge CH HIGH
EUT Pol. :H Plane

Test Date :2017-05-15
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.00	E	Peak	59.83	7.28	67.11	122.23	-55.12
5855.00	E	Peak	58.23	7.32	65.55	110.83	-45.28
5875.00	E	Peak	47.66	7.37	55.03	105.23	-50.20
5925.00	E	Peak	46.70	7.39	54.09	68.23	-14.14

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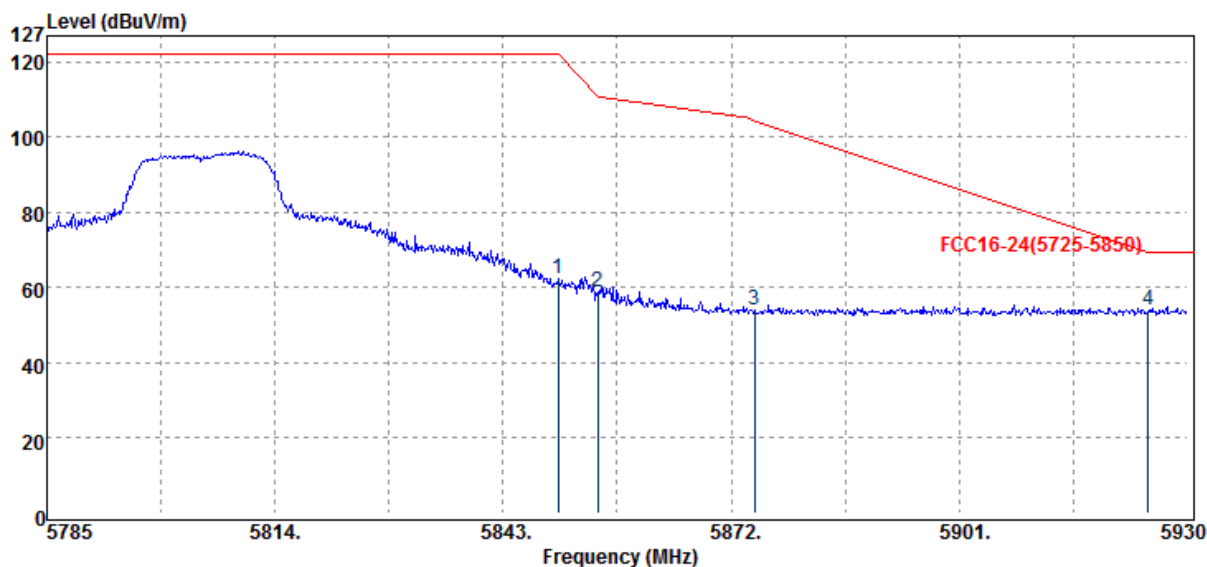
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Operation Band :802.11n40B4
Fundamental Frequency :5795 MHz
Operation Mode :Bandedge CH HIGH
EUT Pol. :H Plane

Test Date :2017-05-15
Temp./Humi. :22 deg_C / 61 RH
Engineer :Mike
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.00	E	Peak	55.30	7.28	62.58	122.23	-59.65
5855.00	E	Peak	51.53	7.32	58.85	110.83	-51.98
5875.00	E	Peak	46.85	7.37	54.22	105.23	-51.01
5925.00	E	Peak	46.51	7.39	53.90	68.23	-14.33

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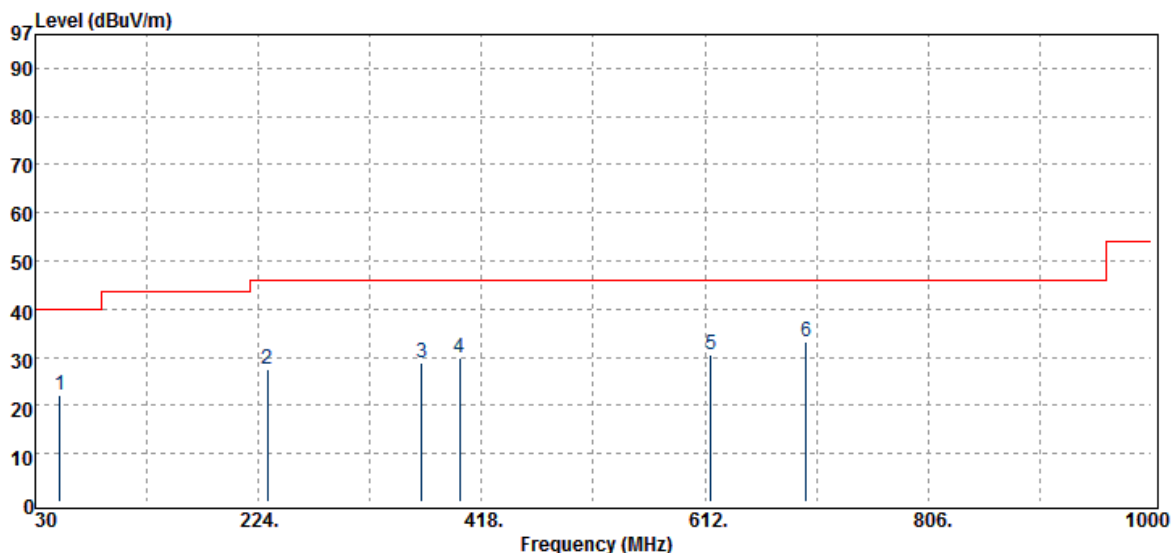
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Spot Check Data

Operation Band :802.11aB1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :H Plane

Test Date :2018-12-24
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
51.34	Peak	29.74	-7.51	22.23	40.00	-17.77
231.76	Peak	35.93	-8.42	27.51	46.00	-18.49
365.62	Peak	32.99	-4.05	28.94	46.00	-17.06
398.60	Peak	33.38	-3.41	29.97	46.00	-16.03
616.85	Peak	30.32	0.17	30.49	46.00	-15.51
700.27	Peak	31.50	1.82	33.32	46.00	-12.68

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台灣檢驗科技股份有限公司

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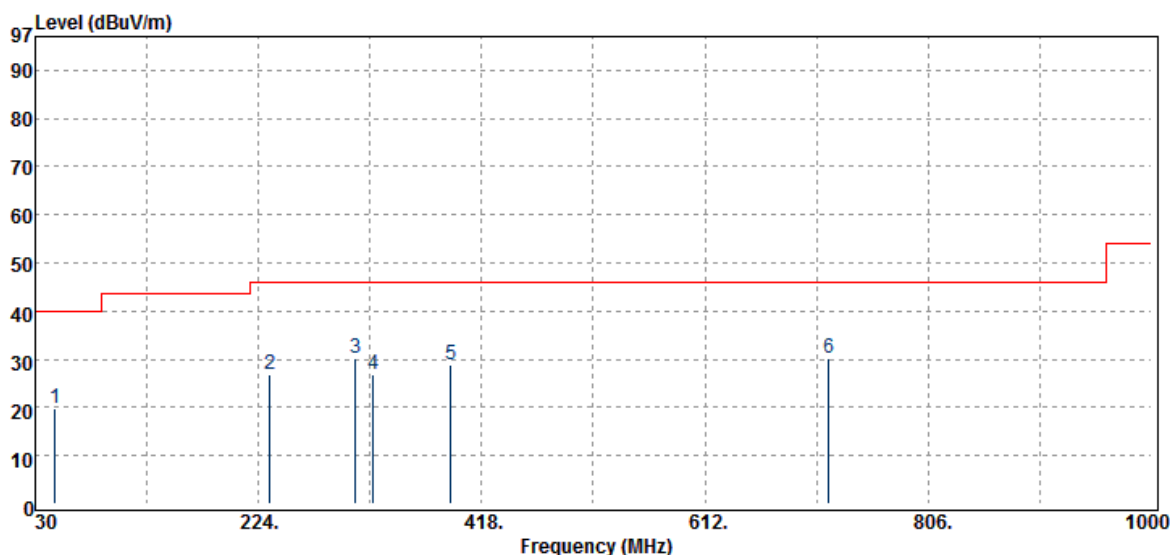
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Member of SGS Group

Operation Band :802.11aB1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :H Plane

Test Date :2018-12-24
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
47.46	Peak	27.35	-7.64	19.71	40.00	-20.29
233.70	Peak	35.17	-8.24	26.93	46.00	-19.07
308.39	Peak	35.60	-5.28	30.32	46.00	-15.68
323.91	Peak	31.91	-5.08	26.83	46.00	-19.17
390.84	Peak	32.39	-3.62	28.77	46.00	-17.23
719.67	Peak	28.14	2.01	30.15	46.00	-15.85

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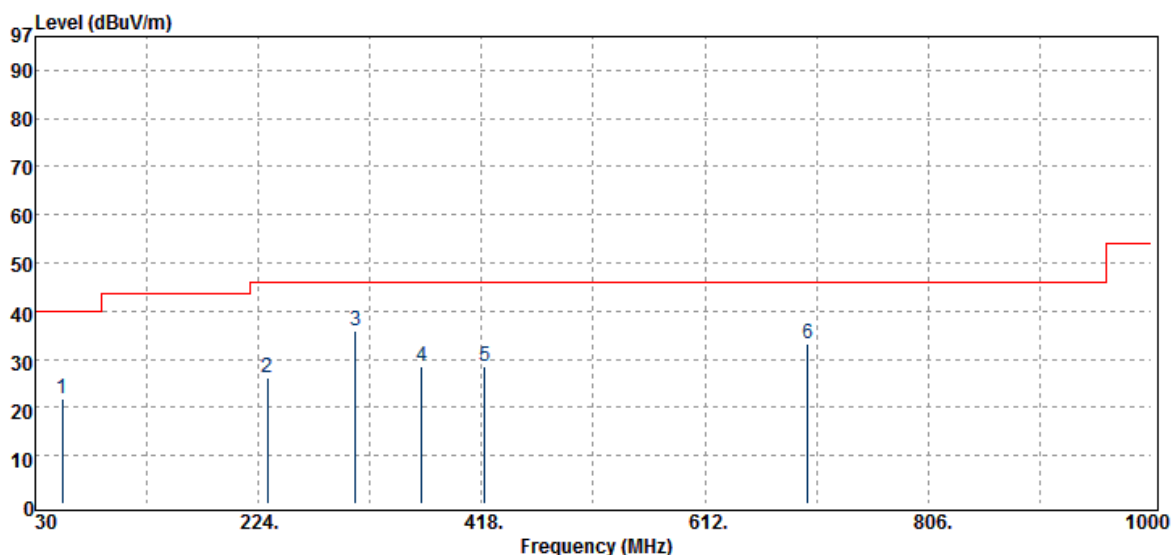
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Operation Band :802.11aB2
Fundamental Frequency :5300 MHz
Operation Mode :Tx CH MID
EUT Pol. :H Plane

Test Date :2018-12-24
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
53.28	Peak	29.49	-7.60	21.89	40.00	-18.11
231.76	Peak	34.62	-8.42	26.20	46.00	-19.80
308.39	Peak	41.36	-5.28	36.08	46.00	-9.92
365.62	Peak	32.68	-4.05	28.63	46.00	-17.37
420.91	Peak	31.41	-2.84	28.57	46.00	-17.43
701.24	Peak	31.64	1.56	33.20	46.00	-12.80

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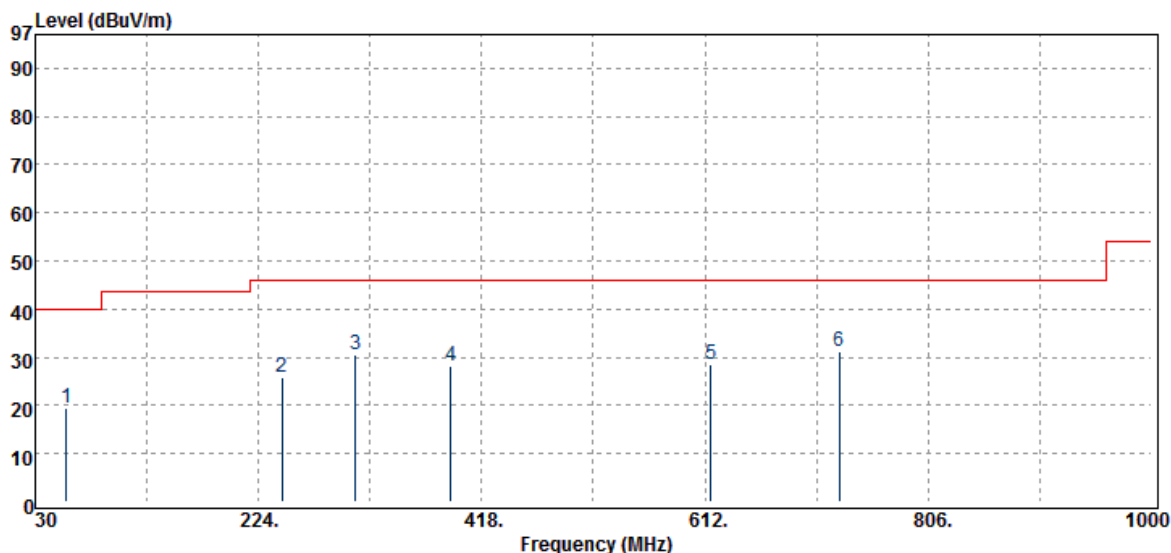
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Operation Band :802.11aB2
Fundamental Frequency :5300 MHz
Operation Mode :Tx CH MID
EUT Pol. :H Plane

Test Date :2018-12-24
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
57.16	Peak	27.15	-7.73	19.42	40.00	-20.58
244.37	Peak	33.50	-7.53	25.97	46.00	-20.03
308.39	Peak	35.68	-5.28	30.40	46.00	-15.60
390.84	Peak	31.84	-3.62	28.22	46.00	-17.78
616.85	Peak	28.38	0.17	28.55	46.00	-17.45
728.40	Peak	28.29	2.89	31.18	46.00	-14.82

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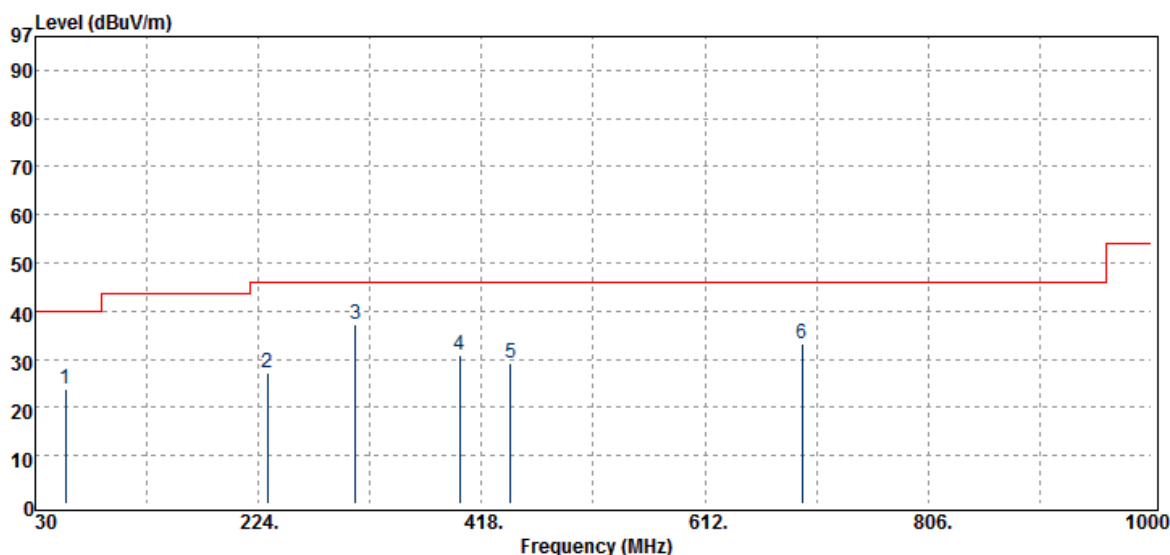
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Member of SGS Group

Operation Band :802.11aB3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :H Plane

Test Date :2018-12-24
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
56.19	Peak	31.67	-7.72	23.95	40.00	-16.05
231.76	Peak	35.58	-8.42	27.16	46.00	-18.84
308.39	Peak	42.56	-5.28	37.28	46.00	-8.72
398.60	Peak	34.36	-3.41	30.95	46.00	-15.05
443.22	Peak	31.98	-2.83	29.15	46.00	-16.85
696.39	Peak	32.04	1.13	33.17	46.00	-12.83

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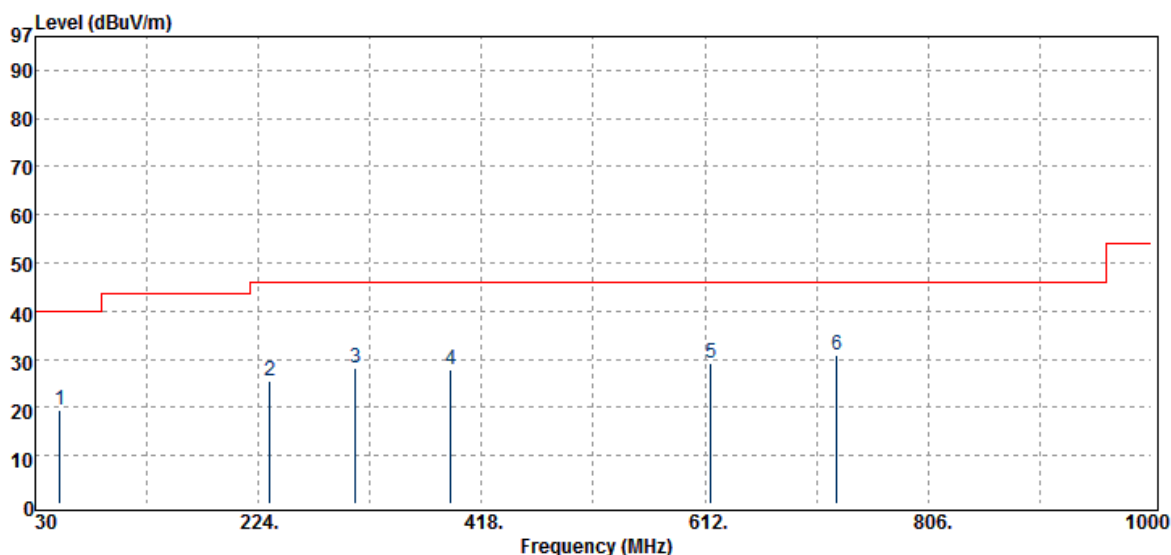
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Member of SGS Group

Operation Band :802.11aB3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :H Plane

Test Date :2018-12-24
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
51.34	Peak	26.95	-7.51	19.44	40.00	-20.56
233.70	Peak	33.88	-8.24	25.64	46.00	-20.36
308.39	Peak	33.61	-5.28	28.33	46.00	-17.67
390.84	Peak	31.56	-3.62	27.94	46.00	-18.06
616.85	Peak	28.94	0.17	29.11	46.00	-16.89
726.46	Peak	28.11	2.72	30.83	46.00	-15.17

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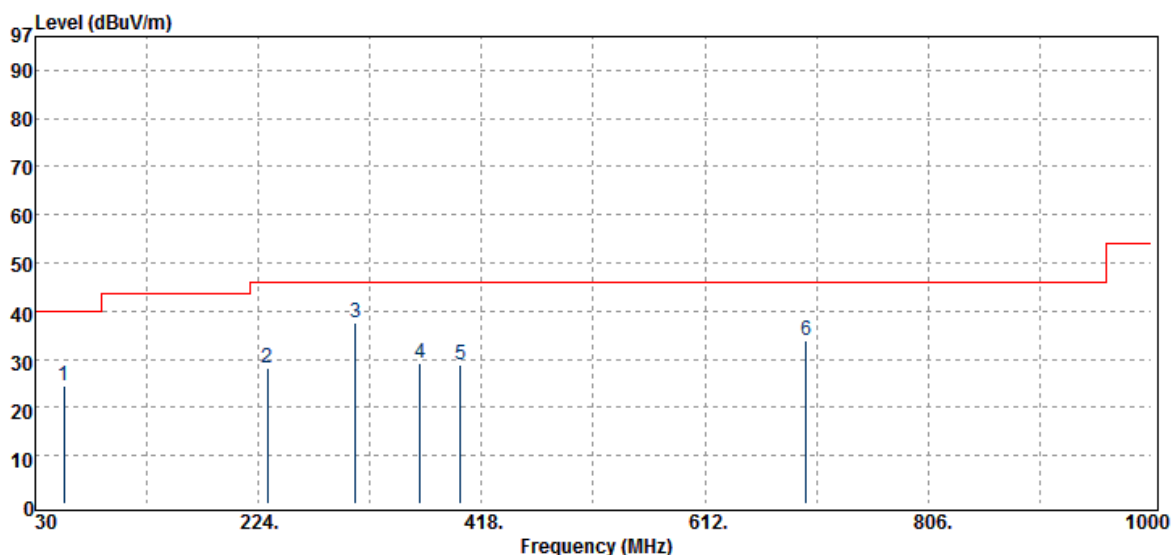
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www.tw.sgs.com

Member of SGS Group

Operation Band :802.11aB4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :H Plane

Test Date :2018-12-24
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
55.22	Peak	32.13	-7.70	24.43	40.00	-15.57
231.76	Peak	36.71	-8.42	28.29	46.00	-17.71
308.39	Peak	42.81	-5.28	37.53	46.00	-8.47
364.65	Peak	33.24	-4.07	29.17	46.00	-16.83
399.57	Peak	32.15	-3.43	28.72	46.00	-17.28
700.27	Peak	31.93	1.82	33.75	46.00	-12.25

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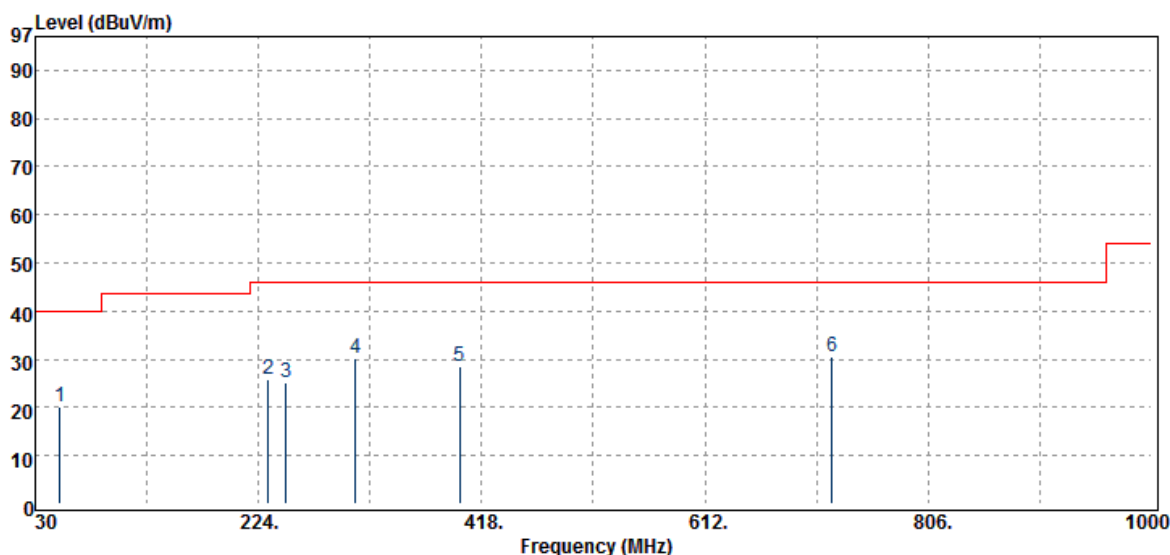
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Member of SGS Group

Operation Band :802.11aB4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :H Plane

Test Date :2018-12-24
Temp./Humi. :22 deg_C / 61 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
51.34	Peak	27.51	-7.51	20.00	40.00	-20.00
232.73	Peak	34.27	-8.33	25.94	46.00	-20.06
248.25	Peak	32.45	-7.43	25.02	46.00	-20.98
308.39	Peak	35.60	-5.28	30.32	46.00	-15.68
398.60	Peak	31.94	-3.41	28.53	46.00	-17.47
722.58	Peak	28.14	2.33	30.47	46.00	-15.53

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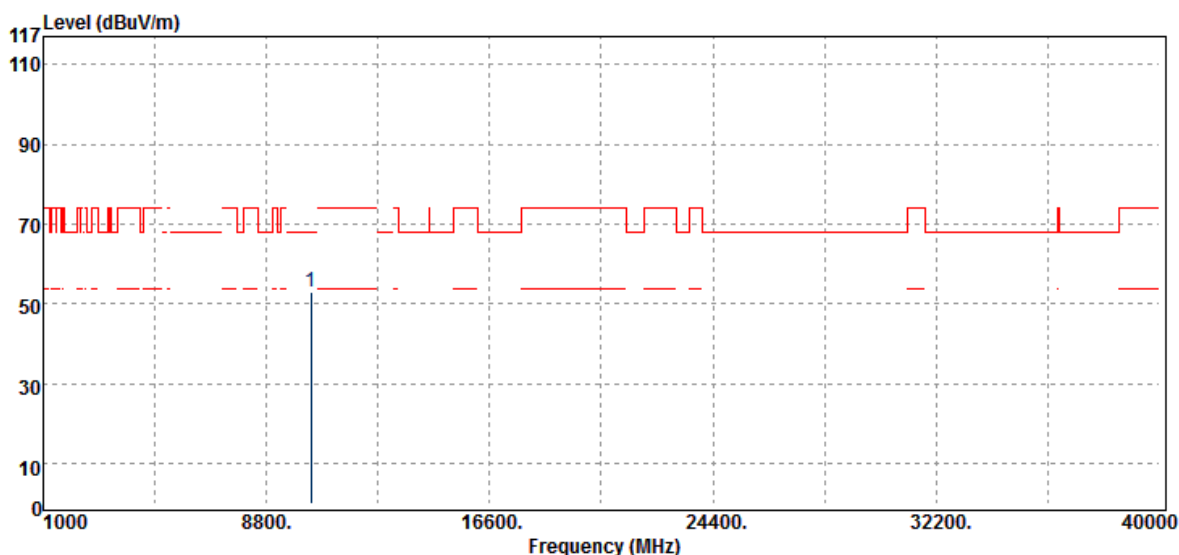
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Member of SGS Group

Operation Band :802.11aB1
Fundamental Frequency :5180 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	32.73	20.41	53.14	68.20	-15.06

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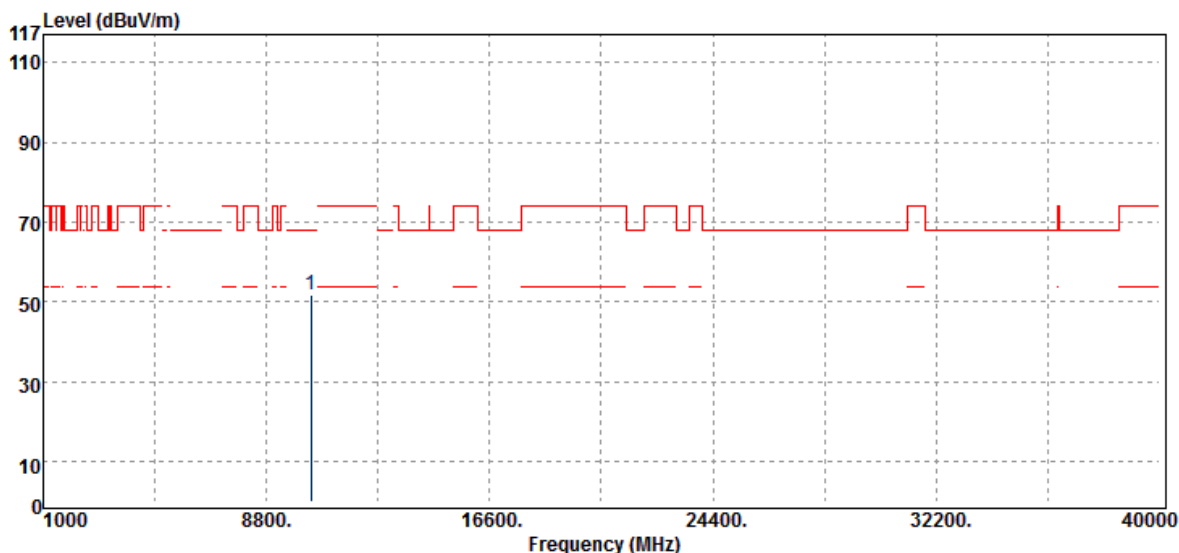
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Member of SGS Group

Operation Band :802.11aB1
Fundamental Frequency :5180 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	31.57	20.41	51.98	68.20	-16.22

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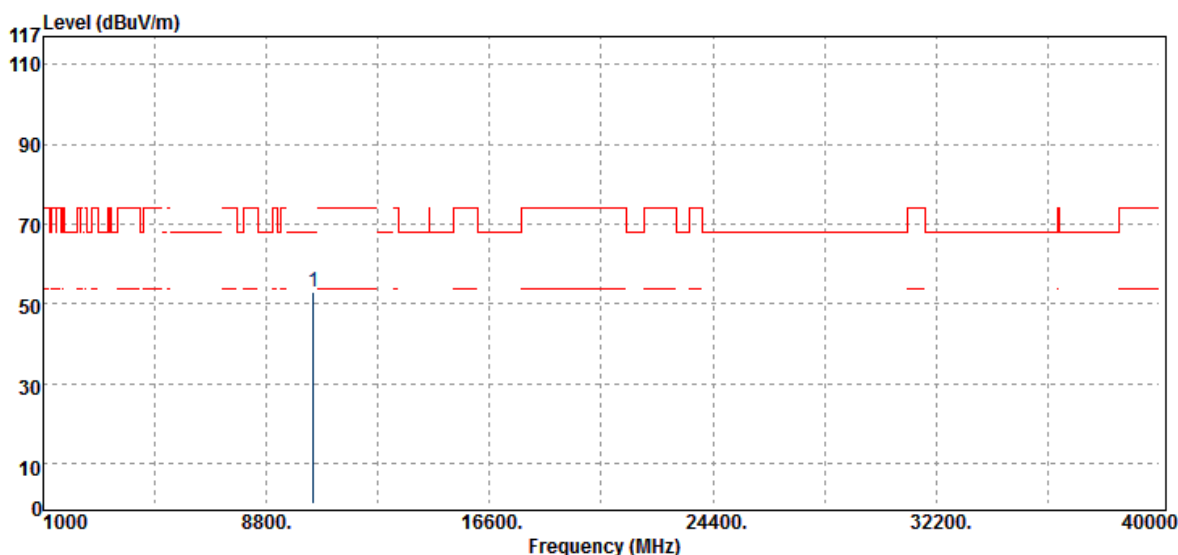
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Member of SGS Group

Operation Band :802.11aB1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	32.46	20.75	53.21	68.20	-14.99

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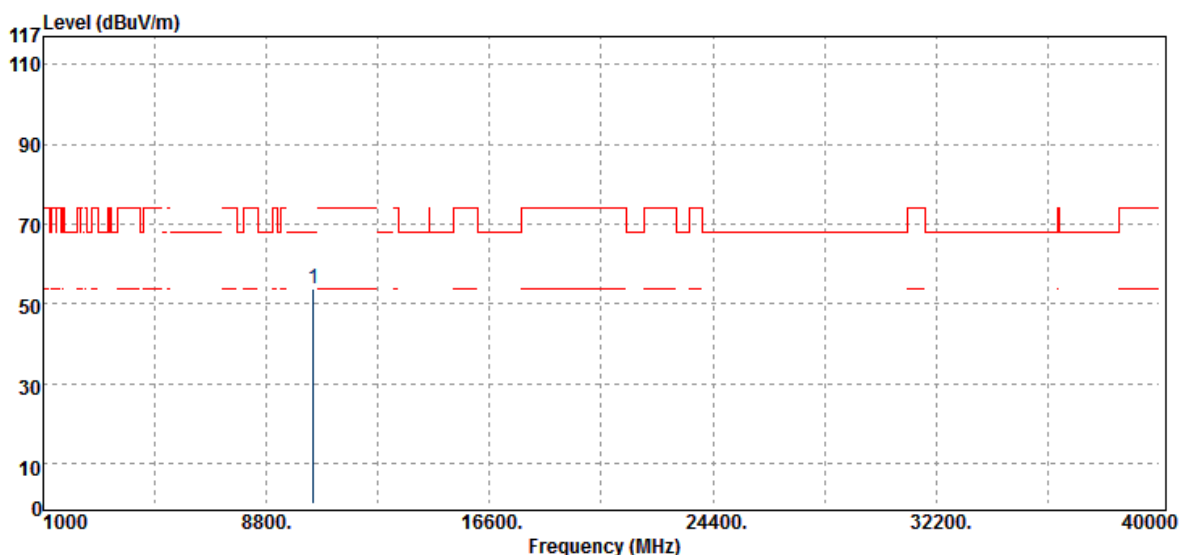
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Operation Band :802.11aB1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	33.24	20.75	53.99	68.20	-14.21

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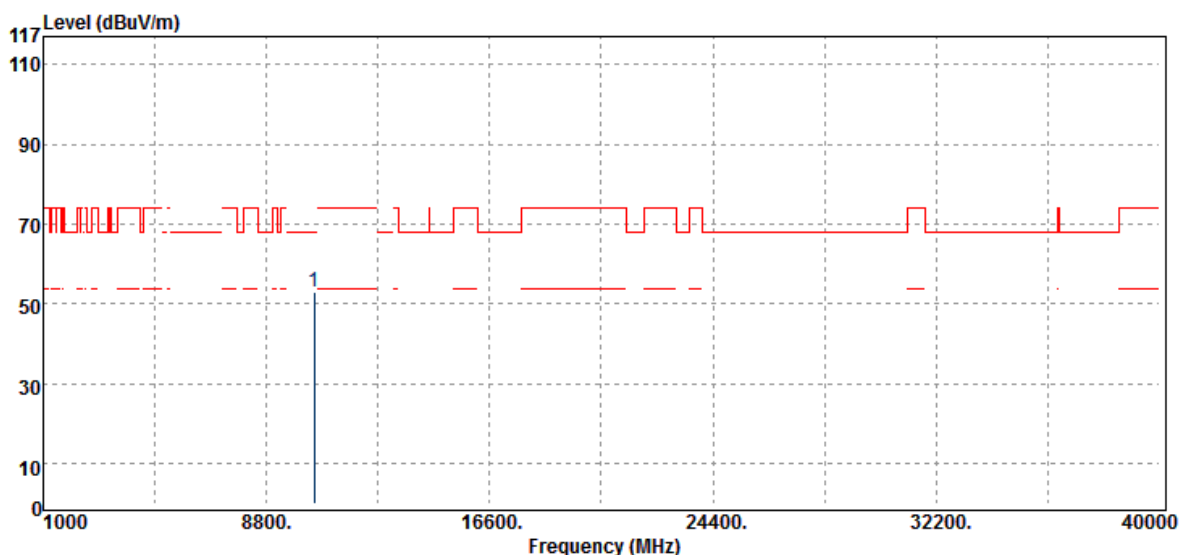
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Member of SGS Group

Operation Band :802.11aB1
Fundamental Frequency :5240 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	32.41	20.79	53.20	68.20	-15.00

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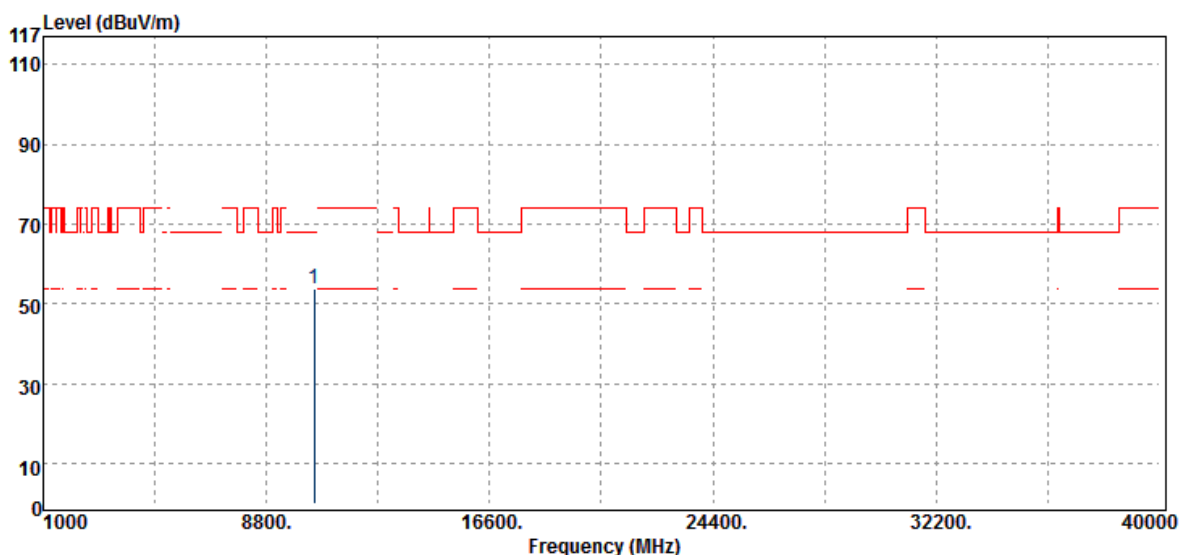
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www.tw.sgs.com

Member of SGS Group

Operation Band :802.11aB1
Fundamental Frequency :5240 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	33.23	20.79	54.02	68.20	-14.18

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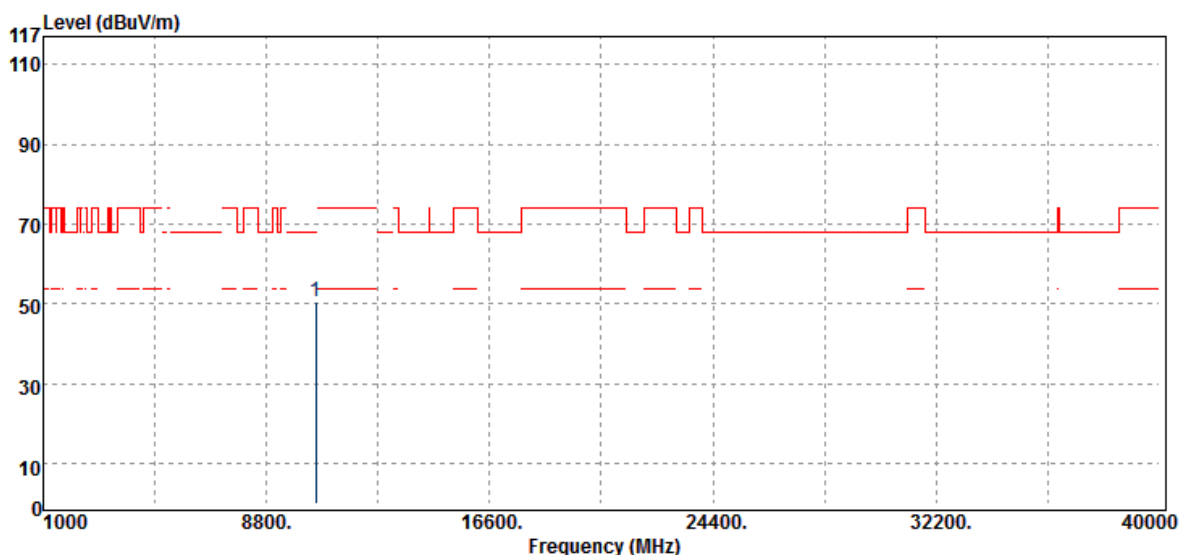
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www.tw.sgs.com

Member of SGS Group

Operation Band :802.11aB2
Fundamental Frequency :5260 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	30.69	20.00	50.69	68.20	-17.51

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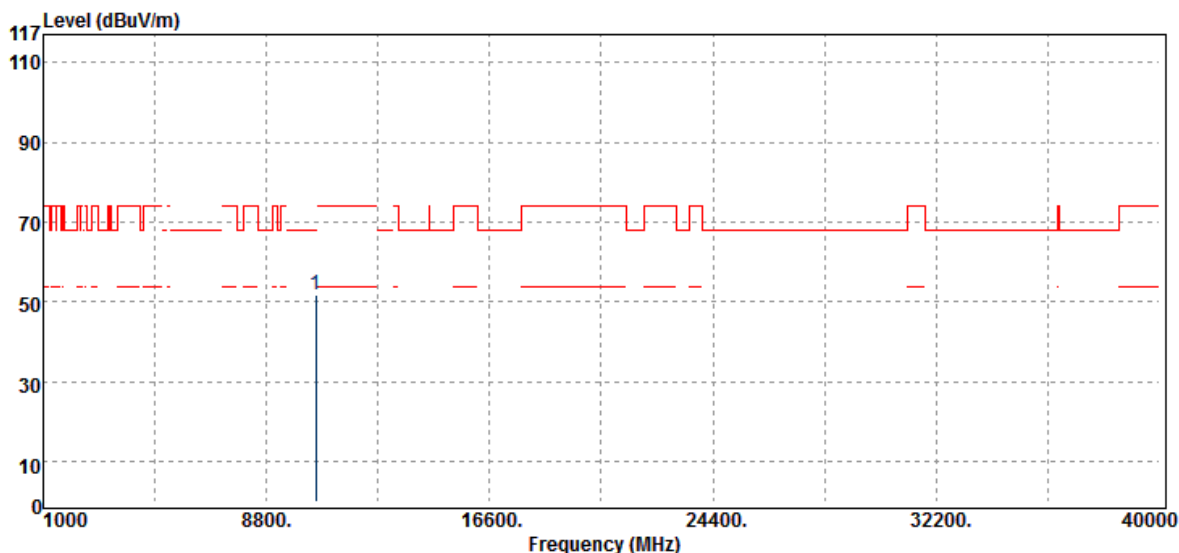
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Member of SGS Group

Operation Band :802.11aB2
Fundamental Frequency :5260 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	31.99	20.00	51.99	68.20	-16.21

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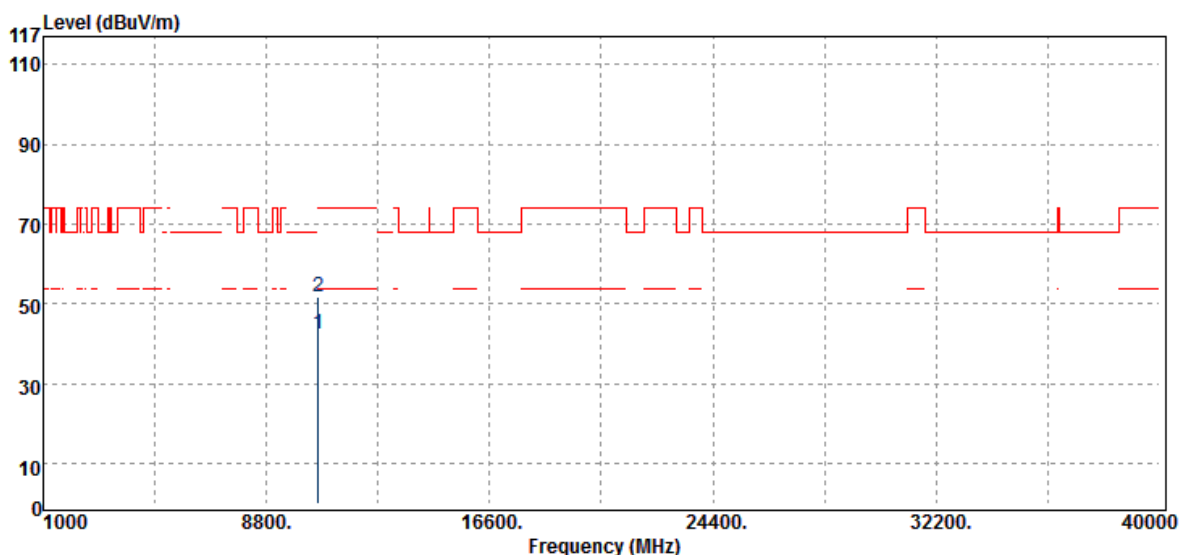
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Operation Band :802.11aB2
Fundamental Frequency :5300 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	22.20	20.38	42.58	54.00	-11.42
10600.00	Peak	31.41	20.38	51.79	74.00	-22.21

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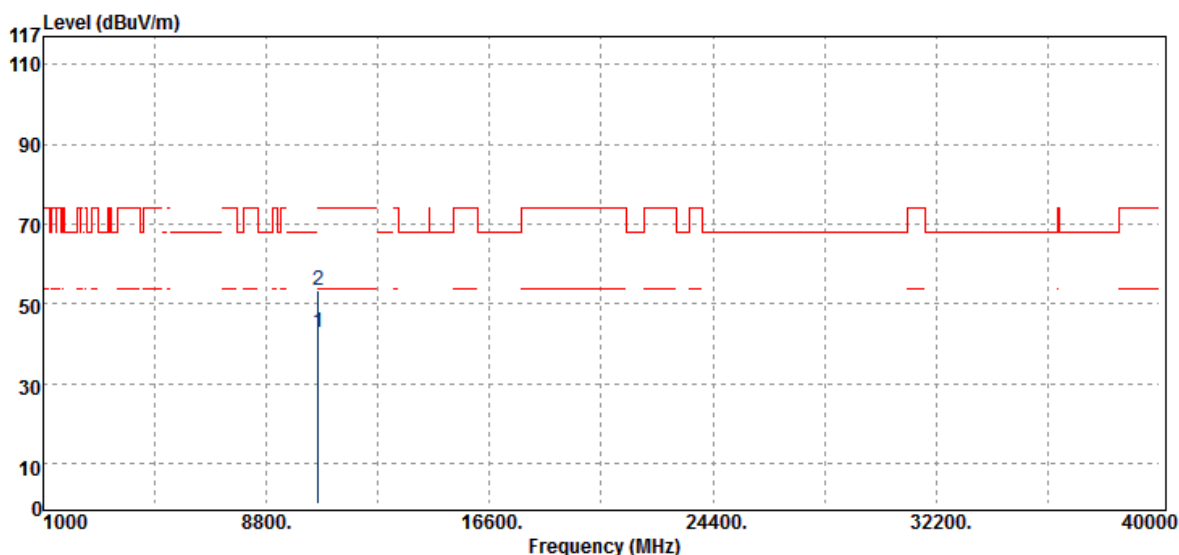
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Operation Band :802.11aB2
Fundamental Frequency :5300 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	22.54	20.38	42.92	54.00	-11.08
10600.00	Peak	32.90	20.38	53.28	74.00	-20.72

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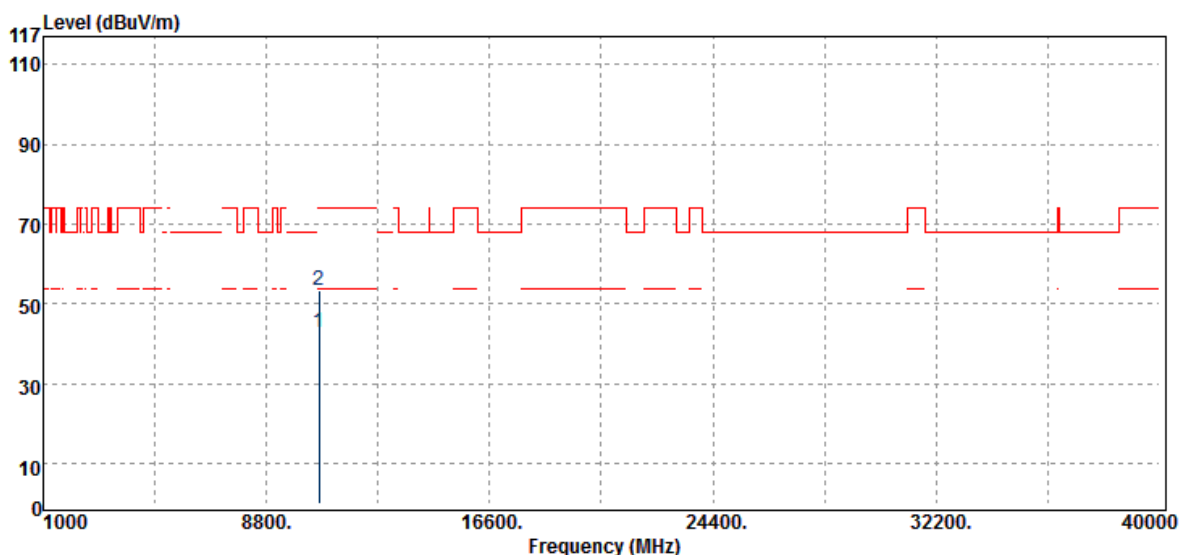
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Operation Band :802.11aB2
Fundamental Frequency :5320 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	21.75	21.24	42.99	54.00	-11.01
10640.00	Peak	32.10	21.24	53.34	74.00	-20.66

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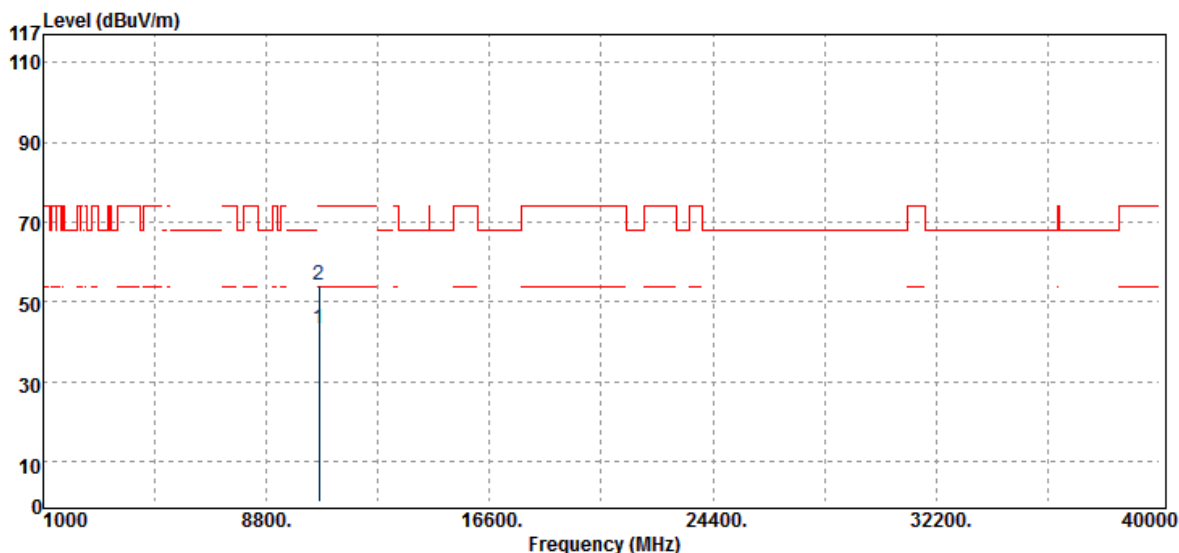
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Operation Band	:802.11aB2	Test Date	:2018-12-03
Fundamental Frequency	:5320 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	21.94	21.24	43.18	54.00	-10.82
10640.00	Peak	32.84	21.24	54.08	74.00	-19.92

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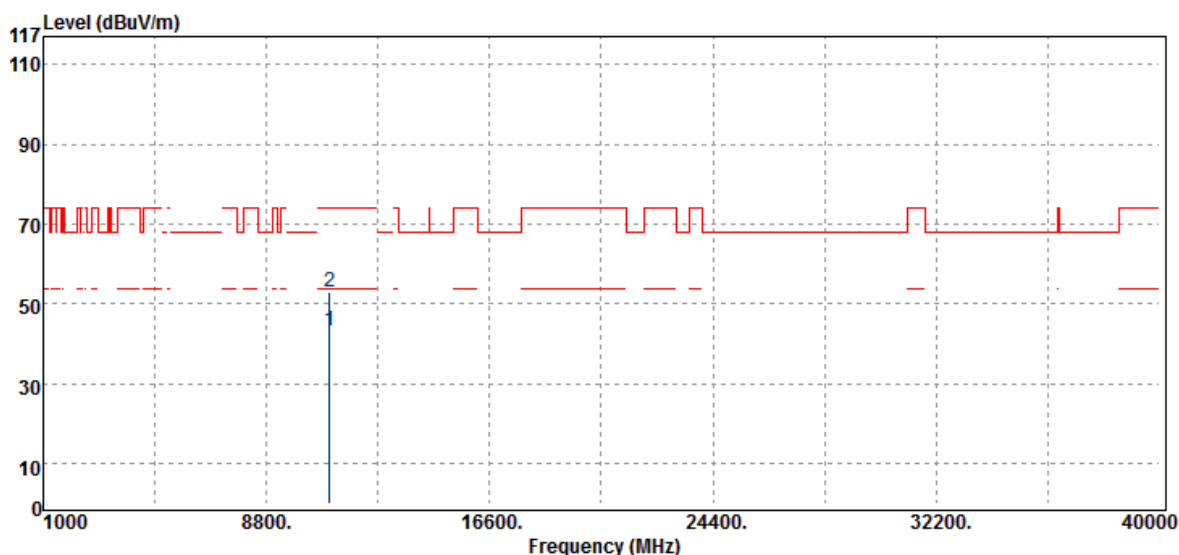
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Operation Band :802.11aB3
Fundamental Frequency :5500 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	21.33	22.17	43.50	54.00	-10.50
11000.00	Peak	31.06	22.17	53.23	74.00	-20.77

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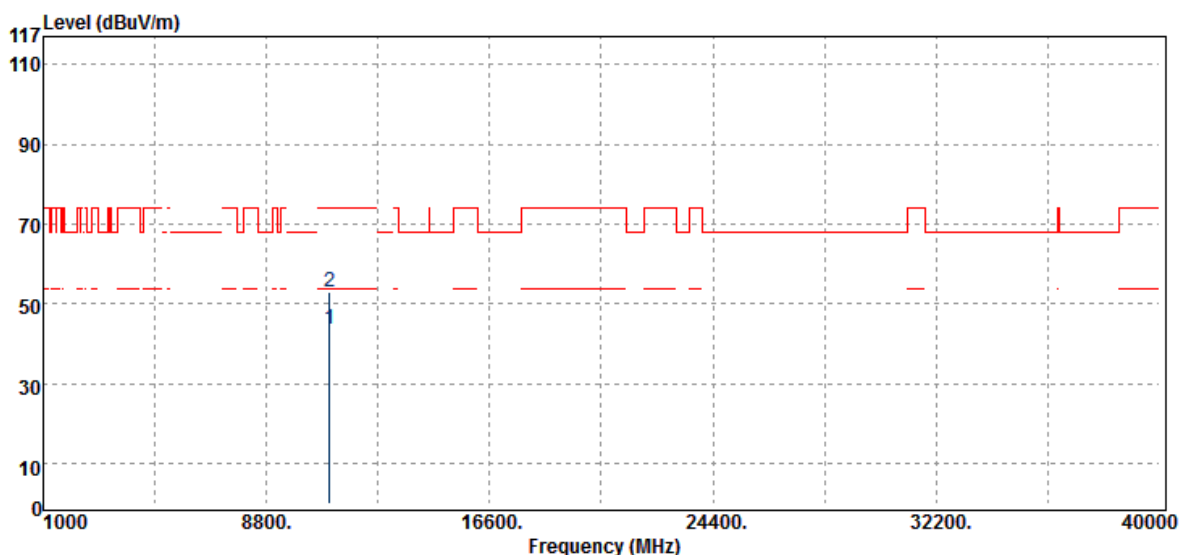
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Operation Band :802.11aB3
Fundamental Frequency :5500 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	21.41	22.17	43.58	54.00	-10.42
11000.00	Peak	31.03	22.17	53.20	74.00	-20.80

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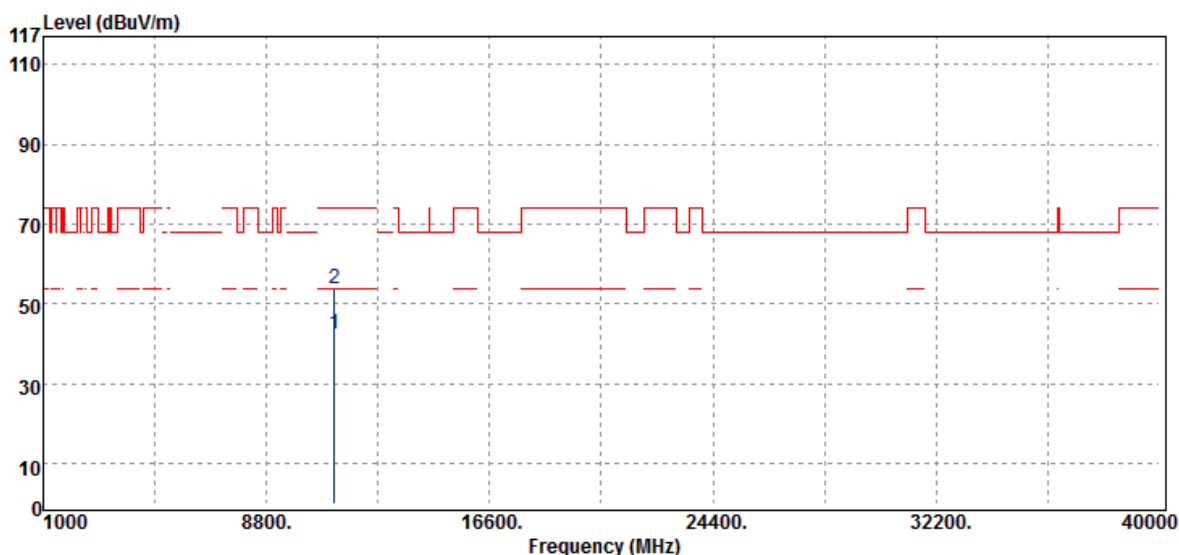
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Operation Band :802.11aB3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	21.18	21.51	42.69	54.00	-11.31
11160.00	Peak	32.24	21.51	53.75	74.00	-20.25

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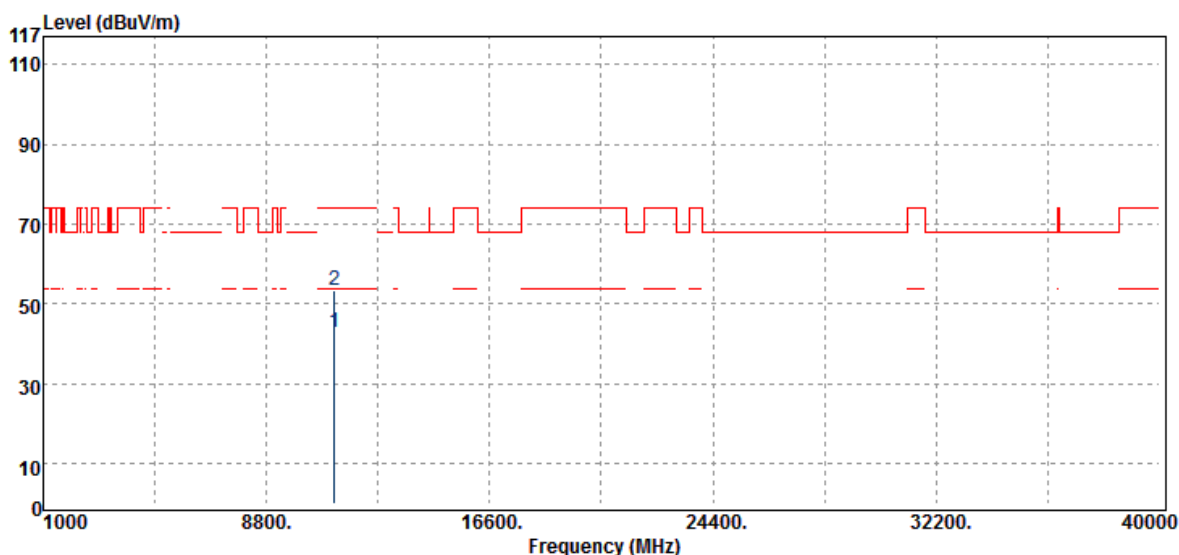
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Operation Band :802.11aB3
Fundamental Frequency :5580 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	21.33	21.51	42.84	54.00	-11.16
11160.00	Peak	32.00	21.51	53.51	74.00	-20.49

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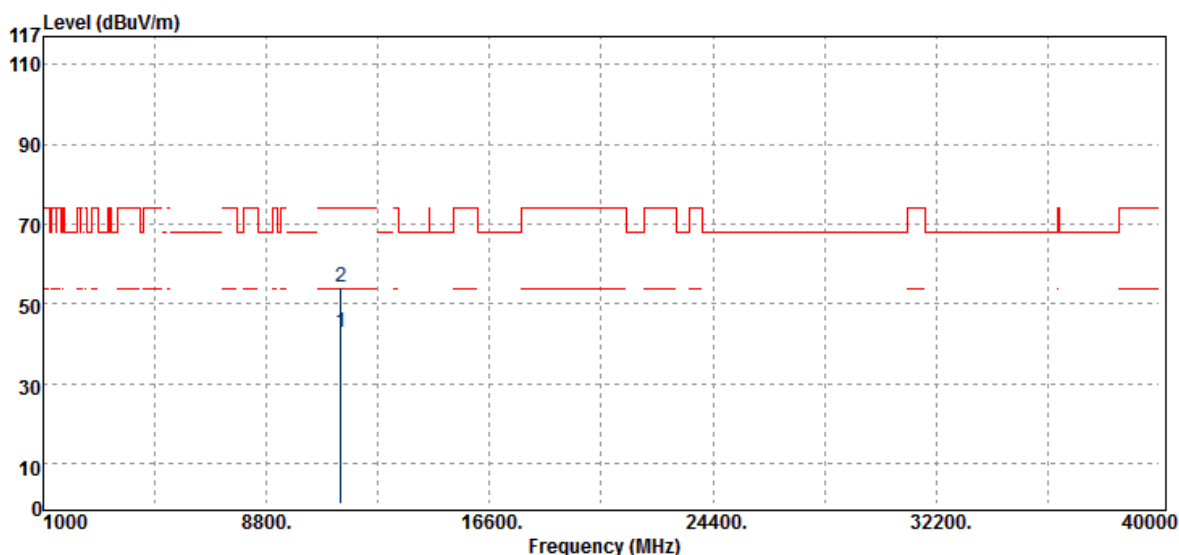
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Member of SGS Group

Operation Band :802.11aB3
Fundamental Frequency :5700 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	21.14	21.62	42.76	54.00	-11.24
11400.00	Peak	32.71	21.62	54.33	74.00	-19.67

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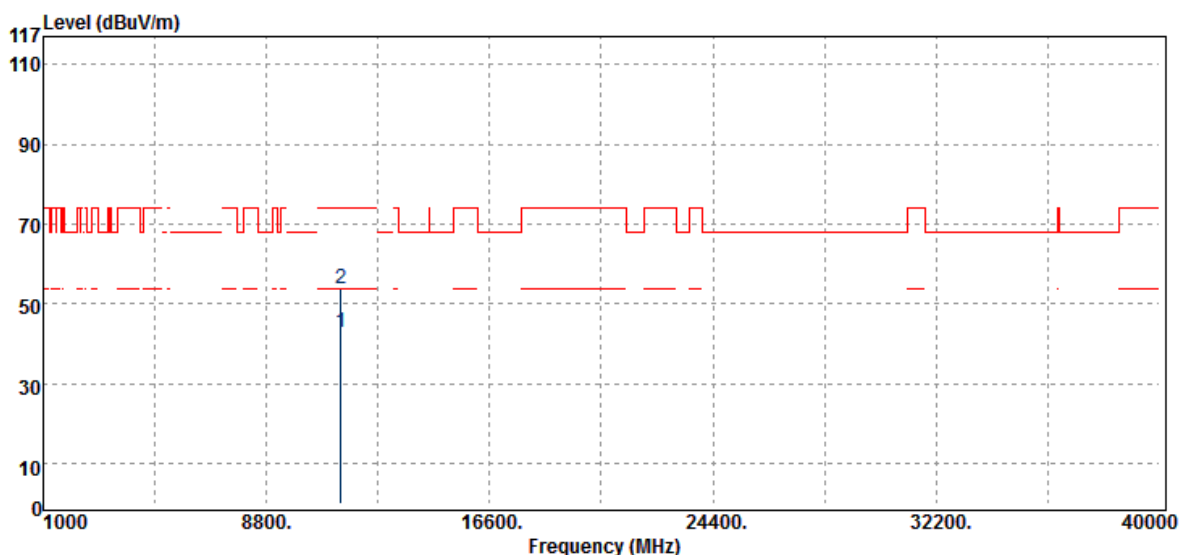
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Operation Band :802.11aB3
Fundamental Frequency :5700 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	21.26	21.62	42.88	54.00	-11.12
11400.00	Peak	32.08	21.62	53.70	74.00	-20.30

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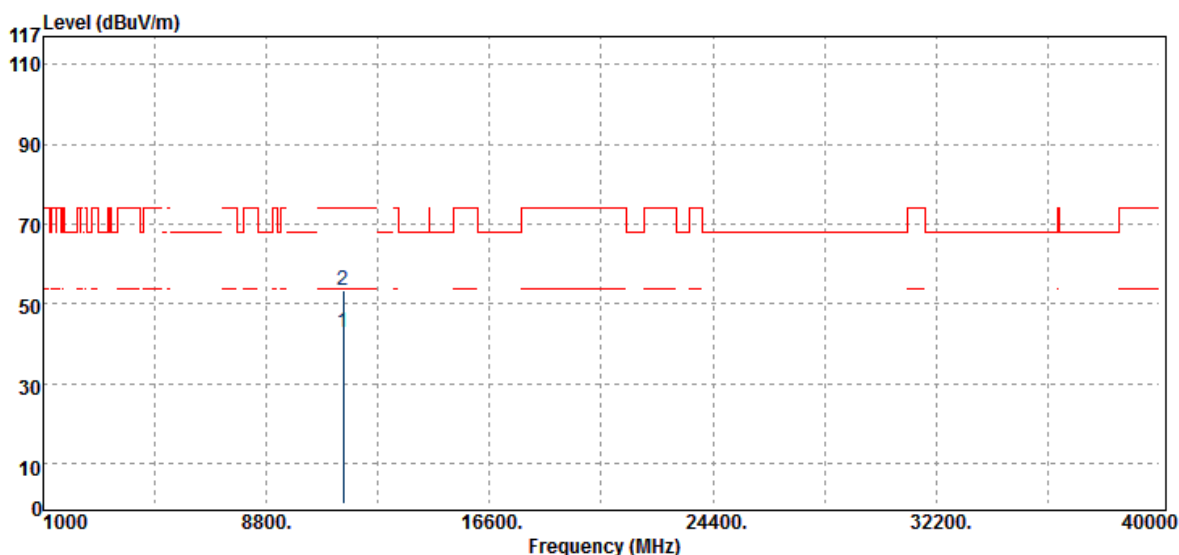
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Operation Band :802.11aB4
Fundamental Frequency :5745 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	21.19	21.61	42.80	54.00	-11.20
11490.00	Peak	31.90	21.61	53.51	74.00	-20.49

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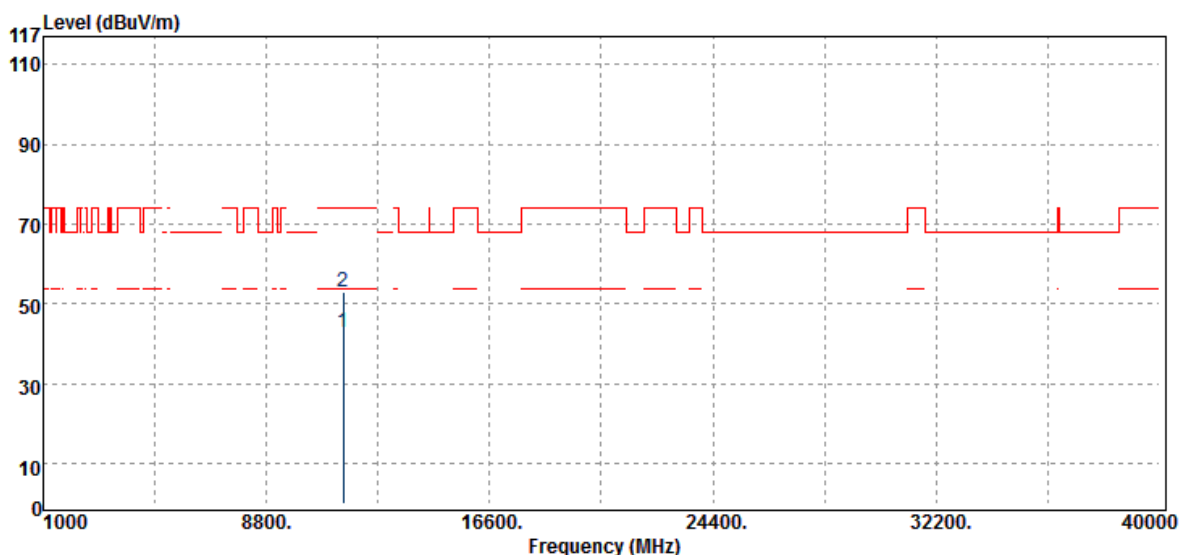
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Operation Band :802.11aB4
Fundamental Frequency :5745 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	21.21	21.61	42.82	54.00	-11.18
11490.00	Peak	31.62	21.61	53.23	74.00	-20.77

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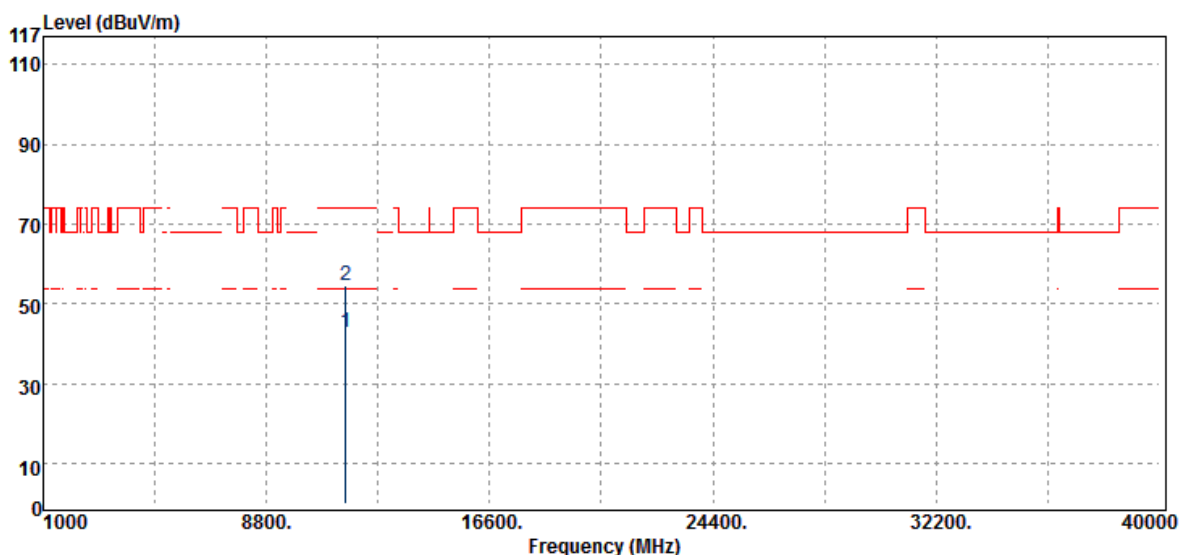
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Operation Band :802.11aB4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	21.09	21.66	42.75	54.00	-11.25
11570.00	Peak	32.92	21.66	54.58	74.00	-19.42

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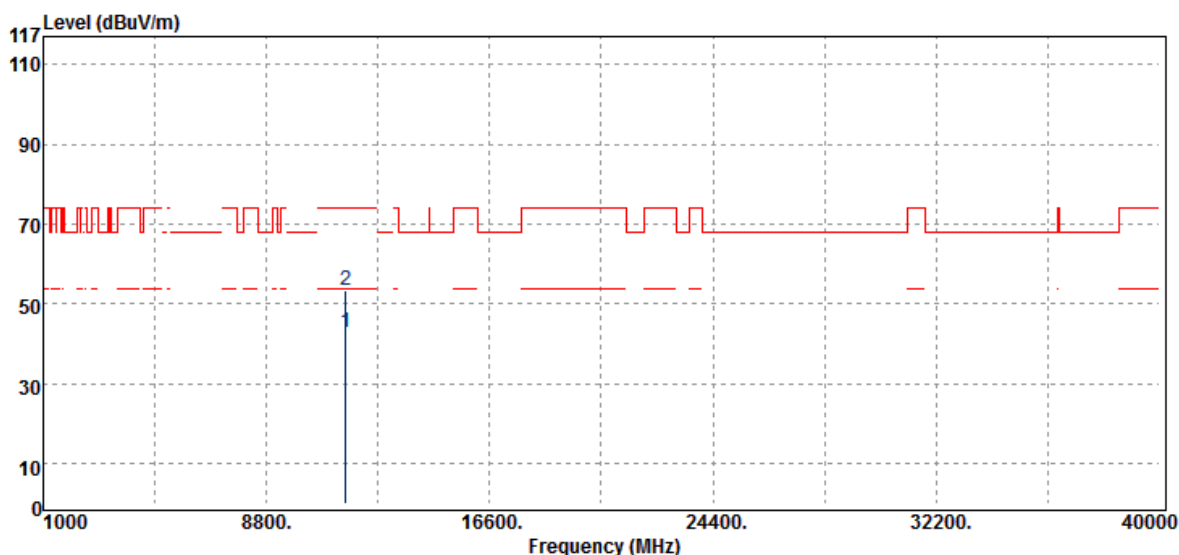
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Operation Band :802.11aB4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	21.12	21.66	42.78	54.00	-11.22
11570.00	Peak	31.80	21.66	53.46	74.00	-20.54

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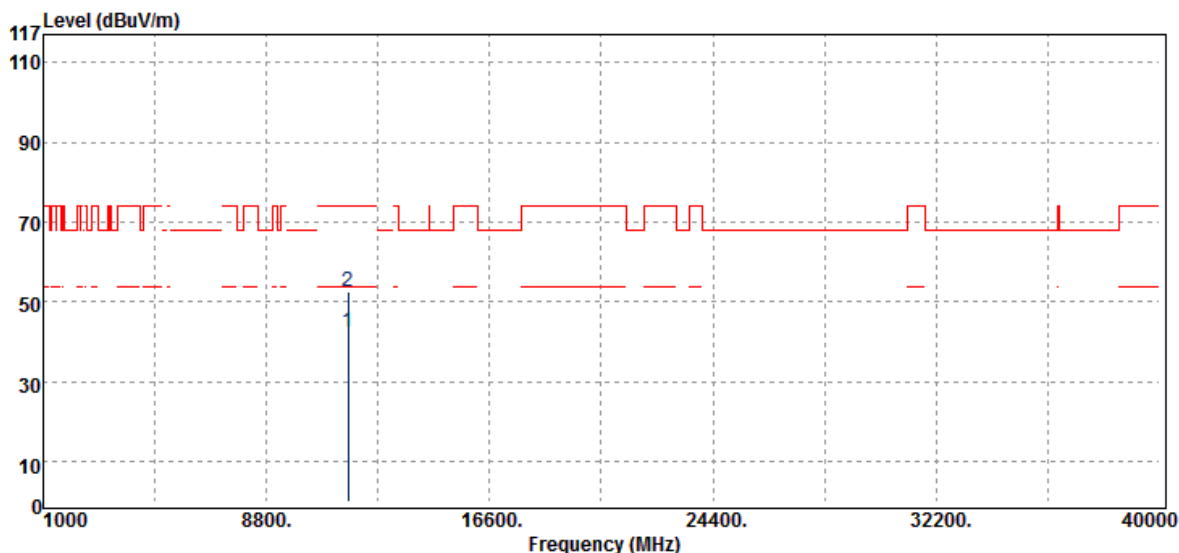
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Operation Band	:802.11aB4	Test Date	:2018-12-03
Fundamental Frequency	:5825 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	21.08	21.60	42.68	54.00	-11.32
11650.00	Peak	30.99	21.60	52.59	74.00	-21.41

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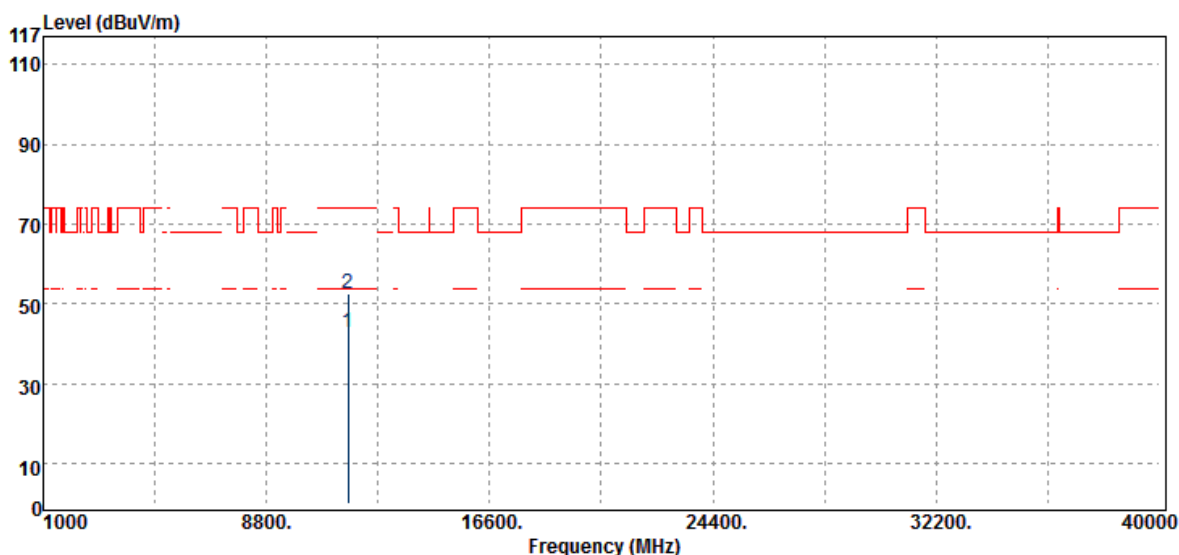
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Operation Band	:802.11aB4	Test Date	:2018-12-03
Fundamental Frequency	:5825 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	21.18	21.60	42.78	54.00	-11.22
11650.00	Peak	31.15	21.60	52.75	74.00	-21.25

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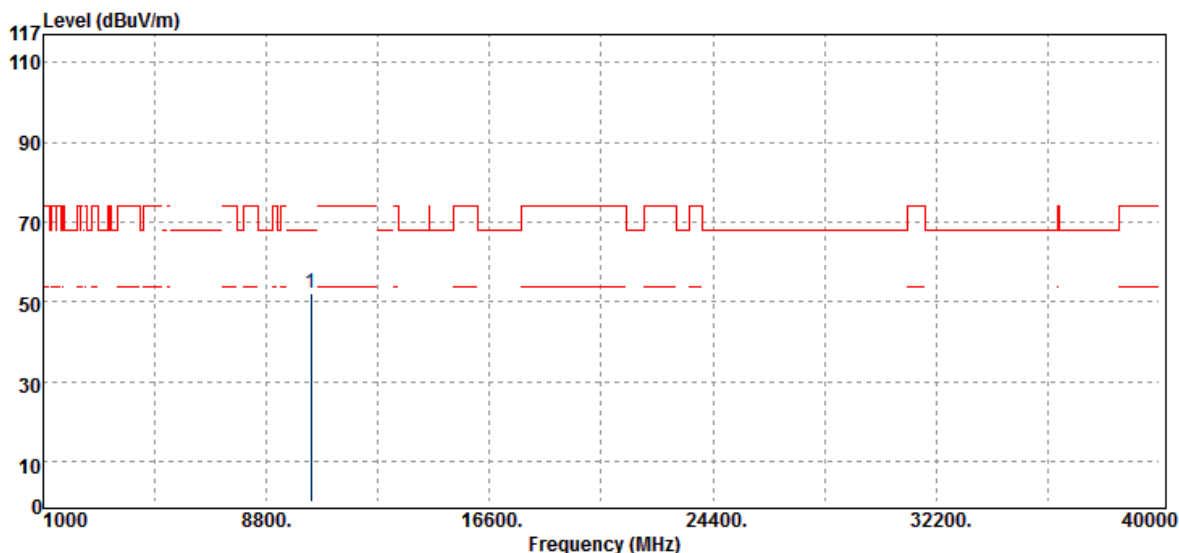
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Operation Band	:802.11n20B1	Test Date	:2018-12-03
Fundamental Frequency	:5180 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	32.46	19.71	52.17	68.20	-16.03

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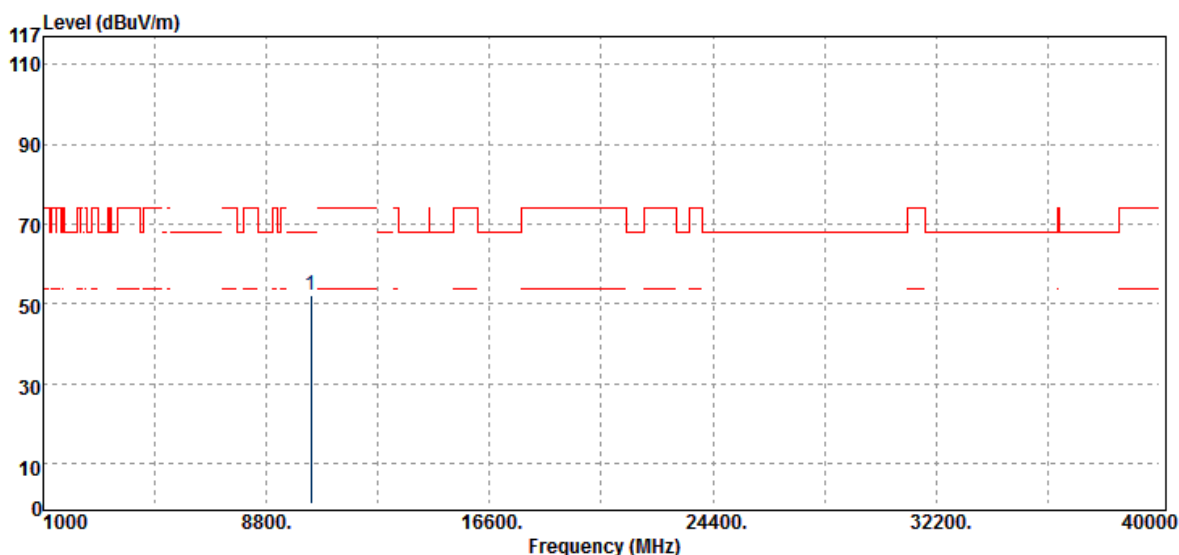
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Operation Band	:802.11n20B1	Test Date	:2018-12-03
Fundamental Frequency	:5180 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	32.50	19.71	52.21	68.20	-15.99

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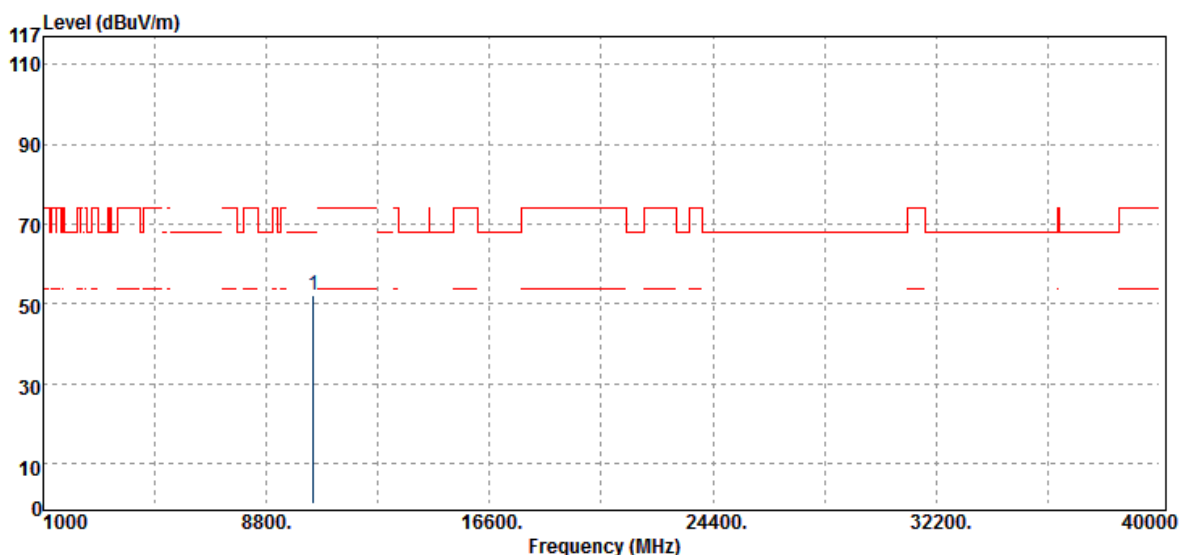
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Operation Band :802.11n20B1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	31.42	20.75	52.17	68.20	-16.03

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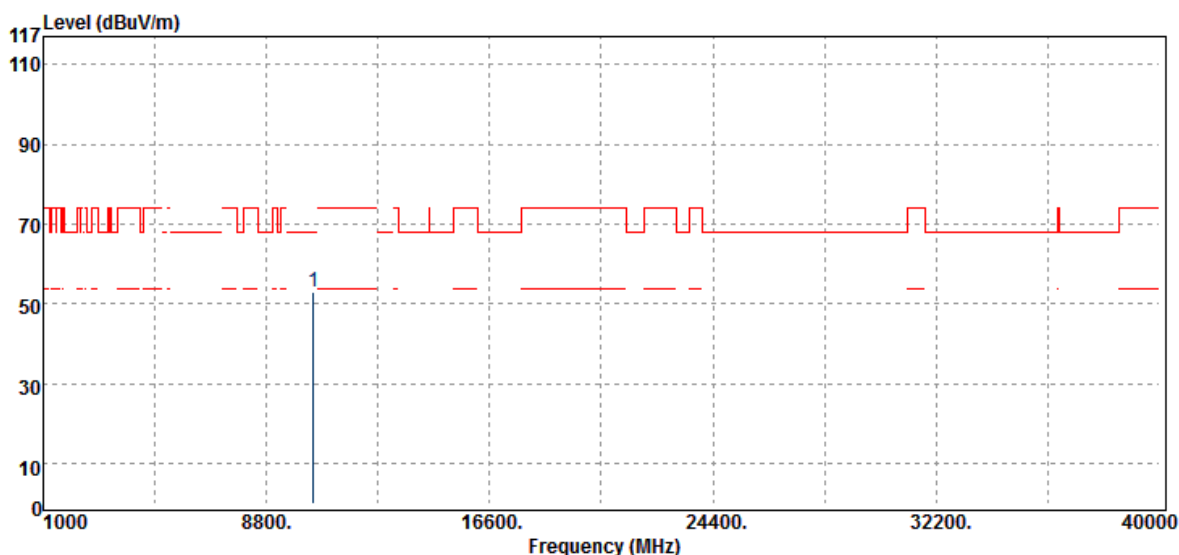
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Member of SGS Group

Operation Band :802.11n20B1
Fundamental Frequency :5220 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.00	Peak	32.31	20.75	53.06	68.20	-15.14

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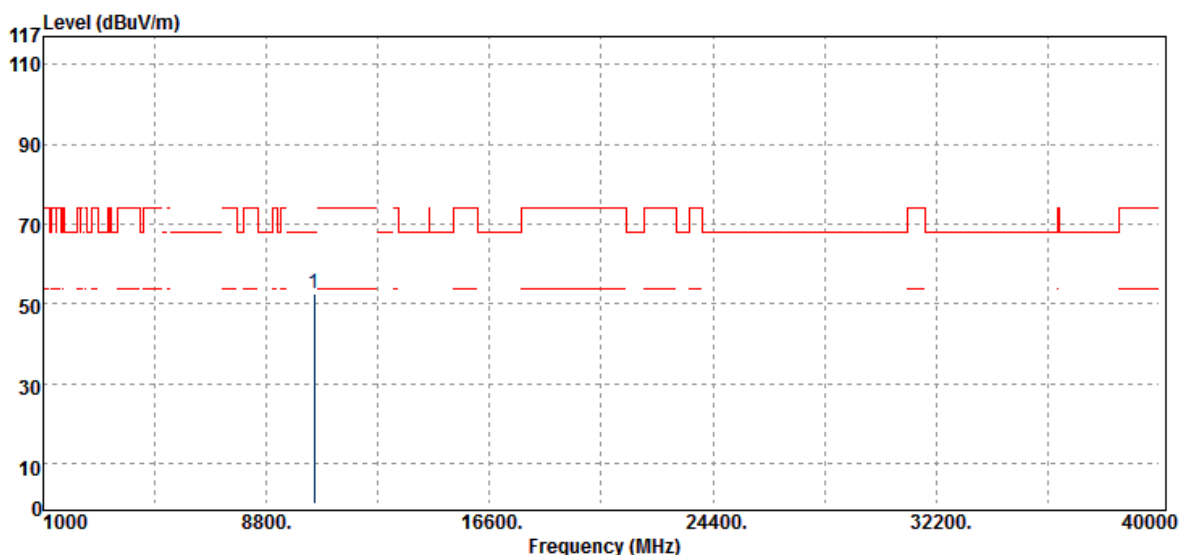
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Member of SGS Group

Operation Band :802.11n20B1
Fundamental Frequency :5240 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	31.82	20.79	52.61	68.20	-15.59

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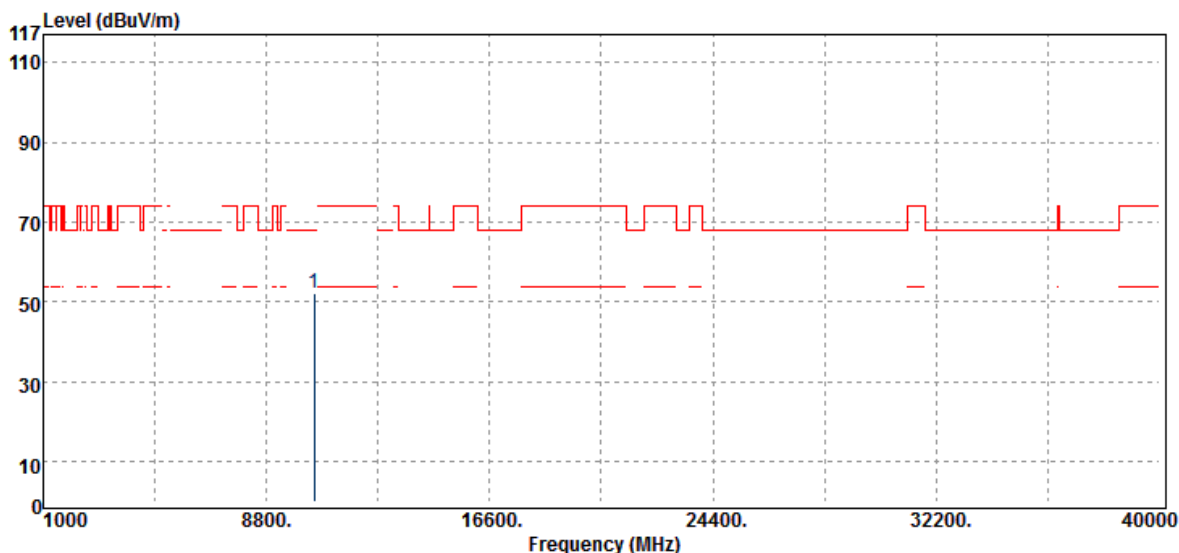
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Operation Band	:802.11n20B1	Test Date	:2018-12-03
Fundamental Frequency	:5240 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	31.29	20.79	52.08	68.20	-16.12

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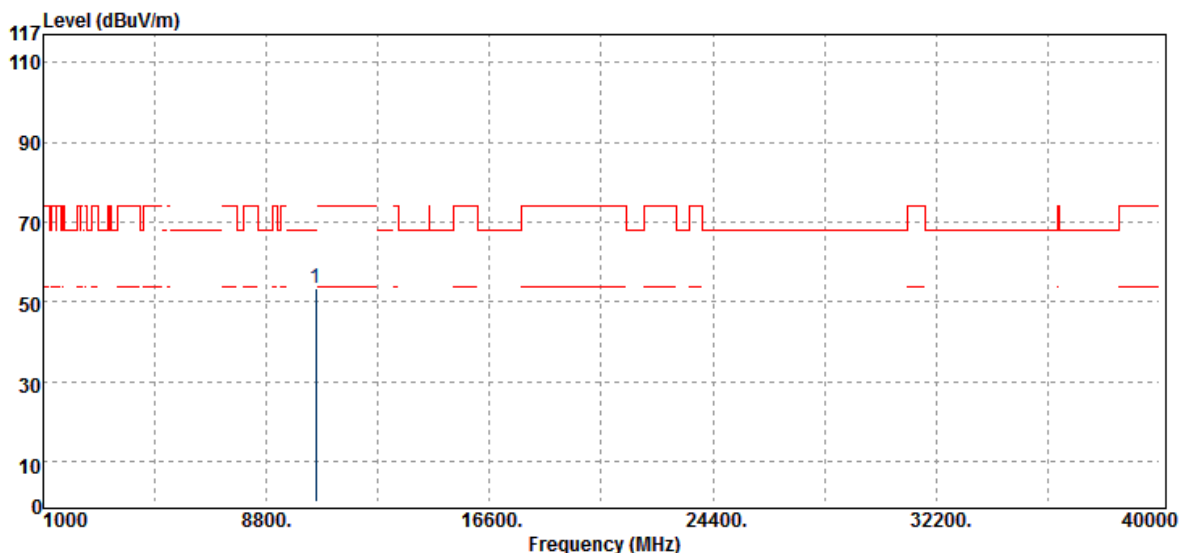
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Operation Band	:802.11n20B2	Test Date	:2018-12-03
Fundamental Frequency	:5260 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	32.63	20.78	53.41	68.20	-14.79

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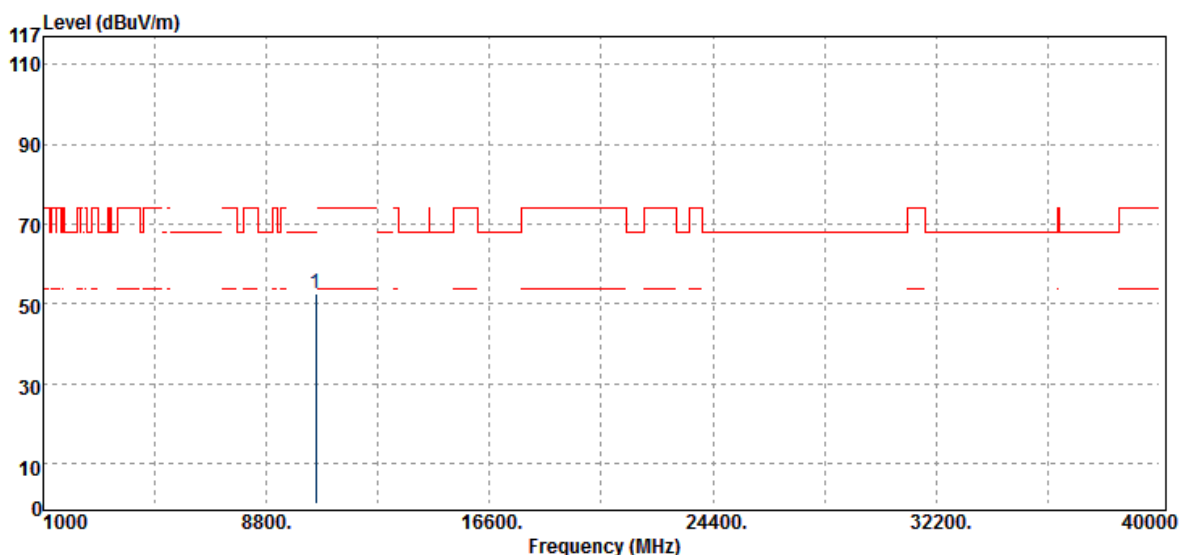
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Operation Band	:802.11n20B2	Test Date	:2018-12-03
Fundamental Frequency	:5260 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	31.73	20.78	52.51	68.20	-15.69

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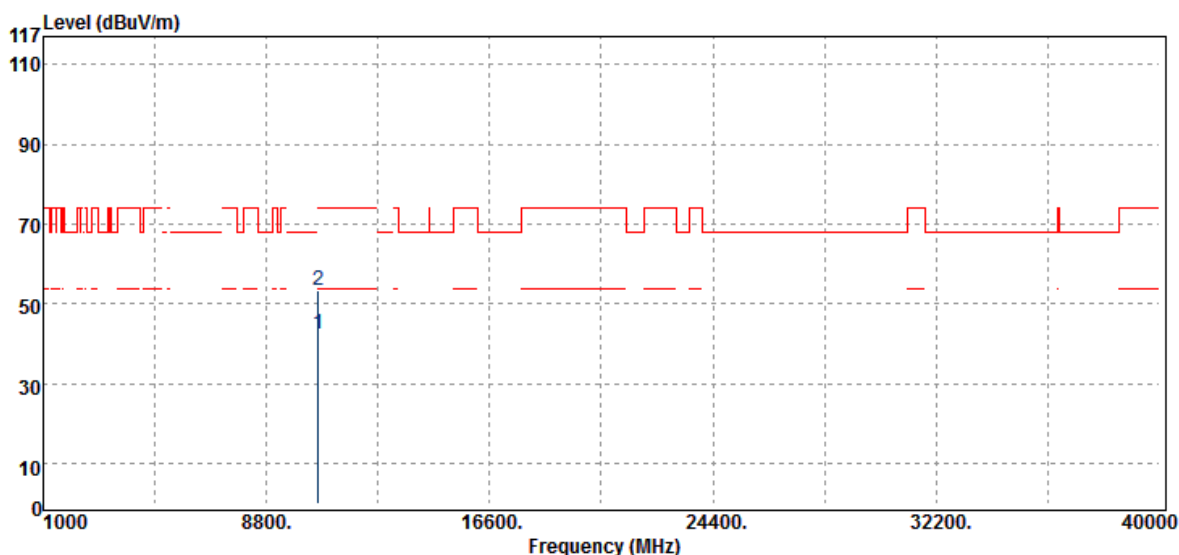
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Operation Band	:802.11n20B2	Test Date	:2018-12-03
Fundamental Frequency	:5300 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	21.44	21.18	42.62	54.00	-11.38
10600.00	Peak	32.18	21.18	53.36	74.00	-20.64

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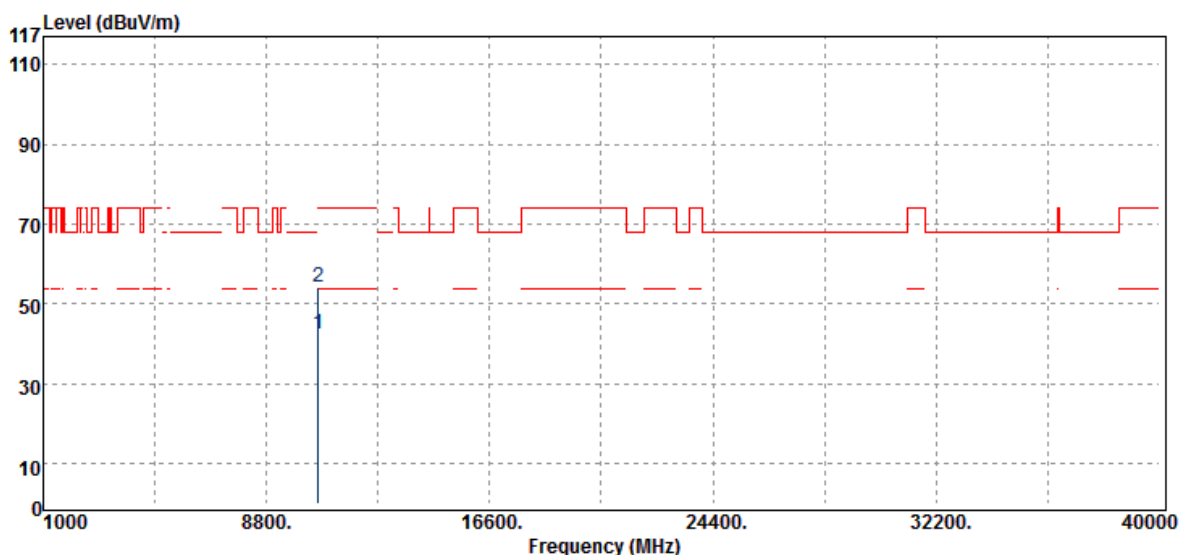
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Operation Band	:802.11n20B2	Test Date	:2018-12-03
Fundamental Frequency	:5300 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.00	Average	21.53	21.18	42.71	54.00	-11.29
10600.00	Peak	33.07	21.18	54.25	74.00	-19.75

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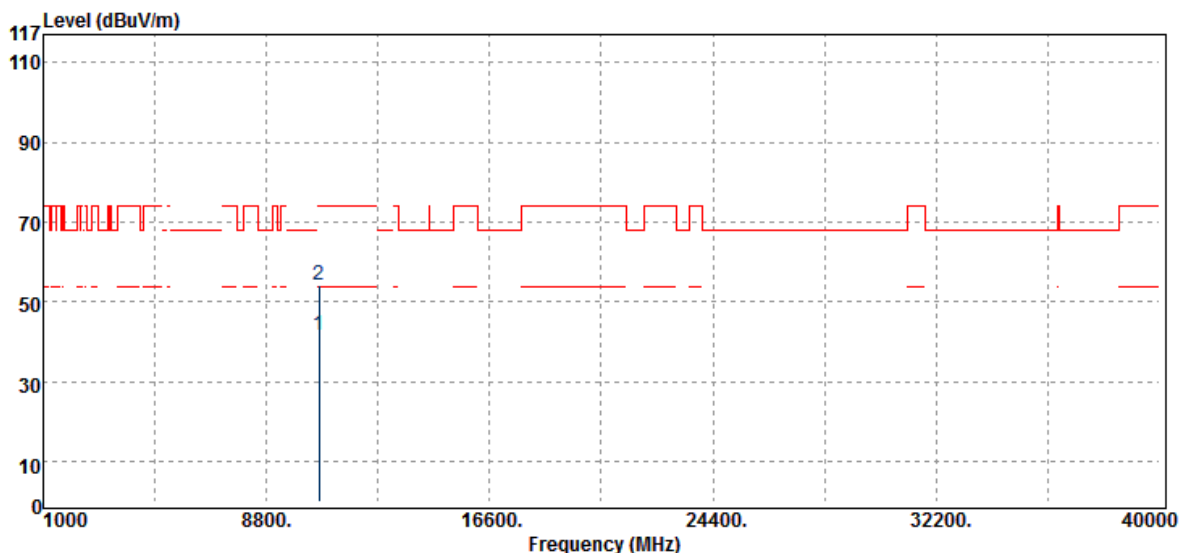
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Operation Band	:802.11n20B2	Test Date	:2018-12-03
Fundamental Frequency	:5320 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	21.33	20.44	41.77	54.00	-12.23
10640.00	Peak	33.71	20.44	54.15	74.00	-19.85

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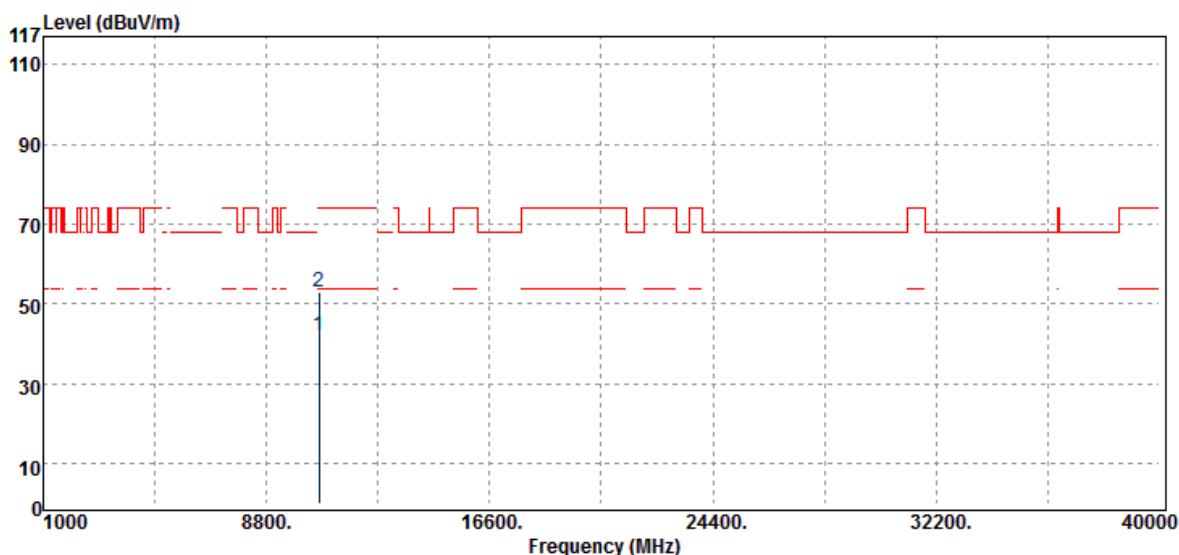
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Operation Band :802.11n20B2
Fundamental Frequency :5320 MHz
Operation Mode :Tx CH HIGH
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	21.48	20.44	41.92	54.00	-12.08
10640.00	Peak	32.48	20.44	52.92	74.00	-21.08

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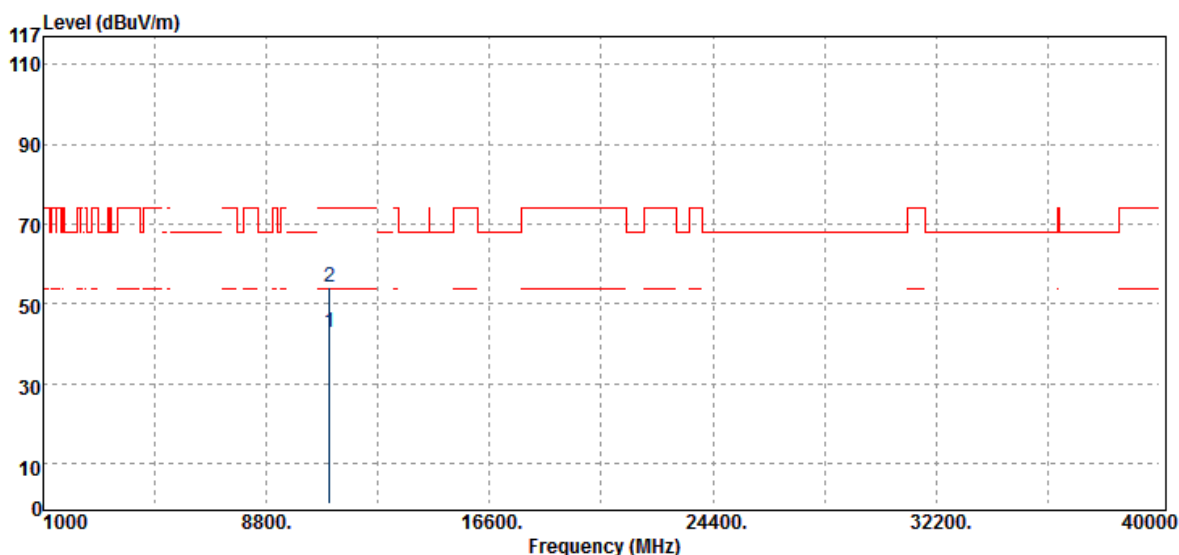
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Operation Band	:802.11n20B3	Test Date	:2018-12-03
Fundamental Frequency	:5500 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	21.50	21.37	42.87	54.00	-11.13
11000.00	Peak	32.80	21.37	54.17	74.00	-19.83

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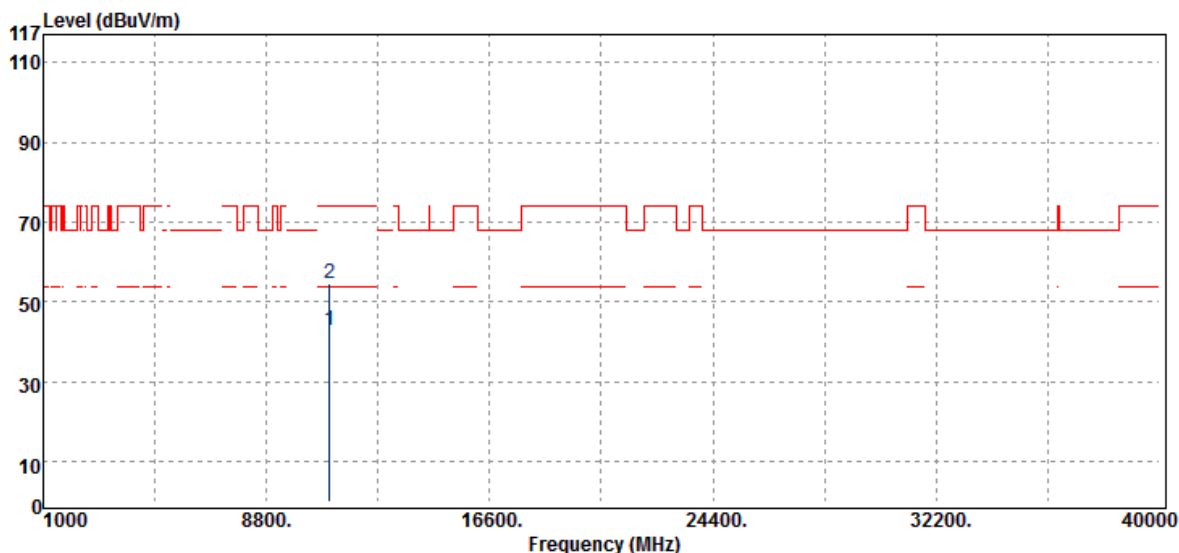
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Operation Band	:802.11n20B3	Test Date	:2018-12-03
Fundamental Frequency	:5500 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	21.66	21.37	43.03	54.00	-10.97
11000.00	Peak	33.14	21.37	54.51	74.00	-19.49

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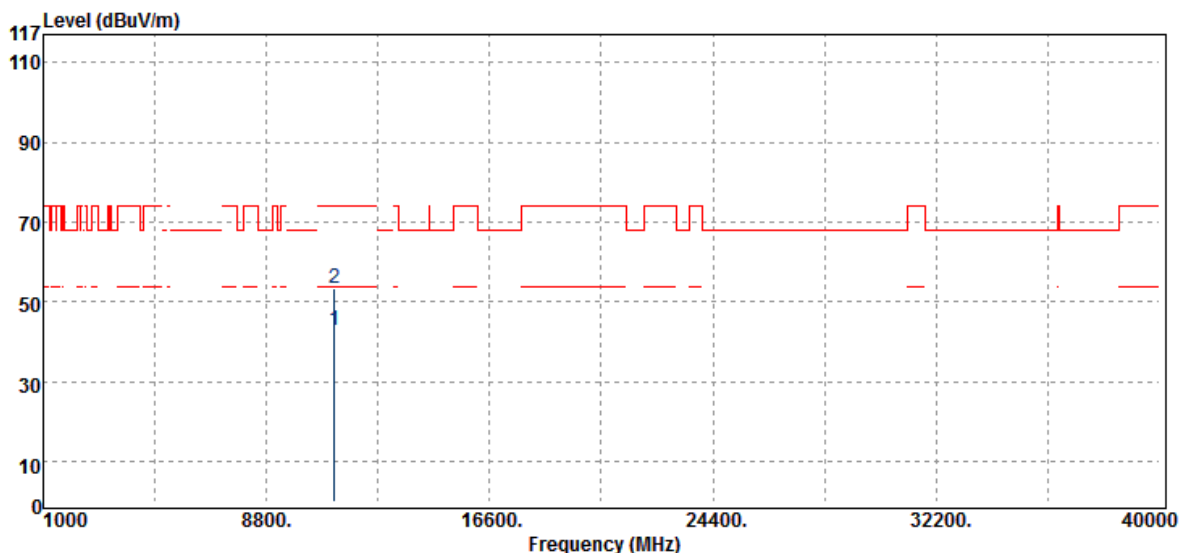
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Operation Band	:802.11n20B3	Test Date	:2018-12-03
Fundamental Frequency	:5580 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	21.46	21.51	42.97	54.00	-11.03
11160.00	Peak	31.93	21.51	53.44	74.00	-20.56

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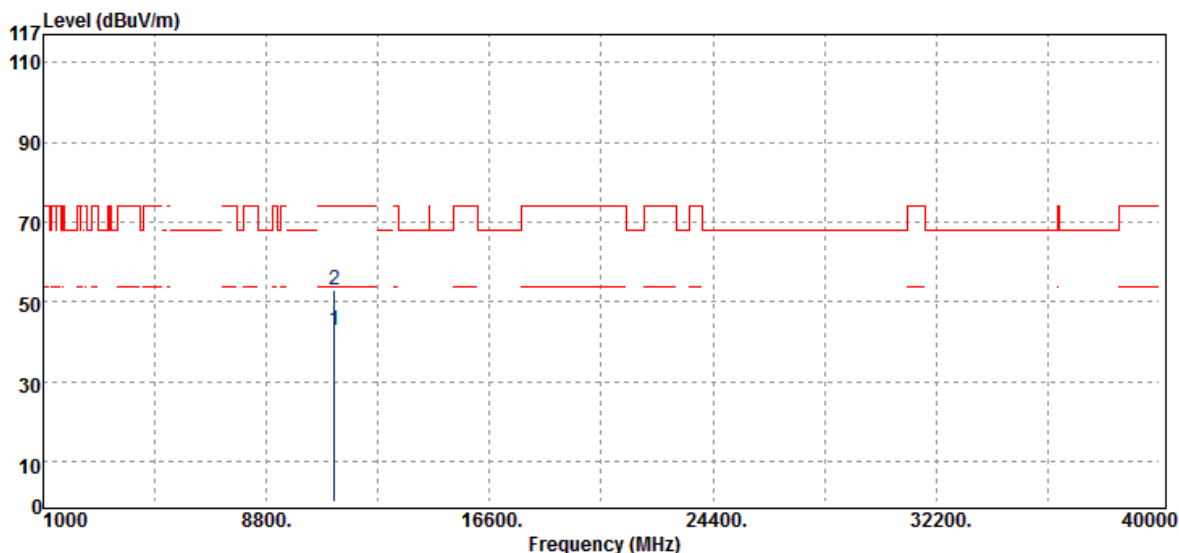
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Operation Band	:802.11n20B3	Test Date	:2018-12-03
Fundamental Frequency	:5580 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Average	21.58	21.51	43.09	54.00	-10.91
11160.00	Peak	31.51	21.51	53.02	74.00	-20.98

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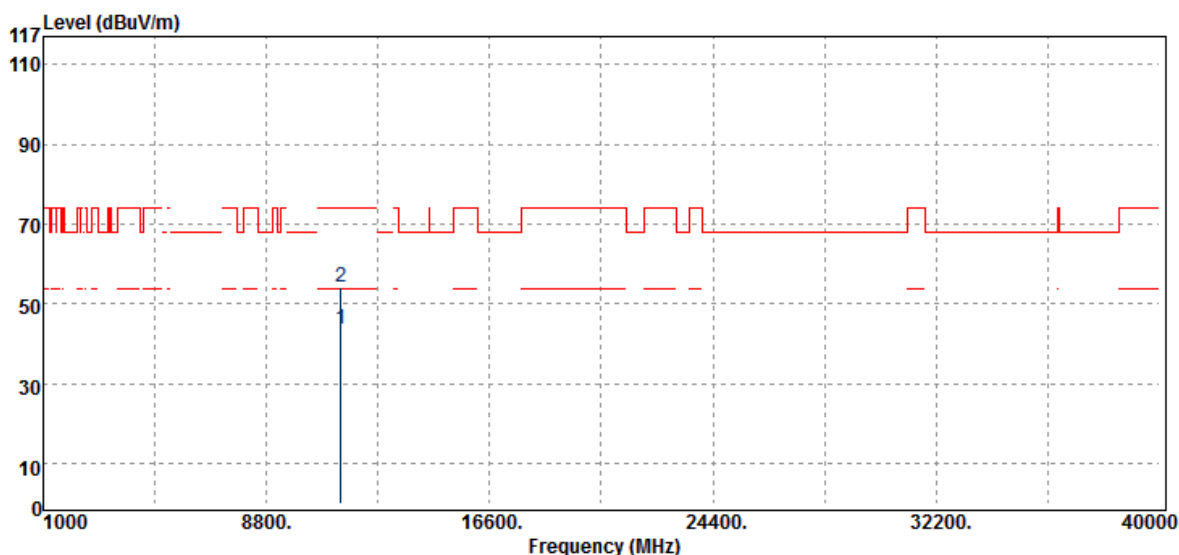
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Operation Band	:802.11n20B3	Test Date	:2018-12-03
Fundamental Frequency	:5700 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	21.22	22.42	43.64	54.00	-10.36
11400.00	Peak	31.92	22.42	54.34	74.00	-19.66

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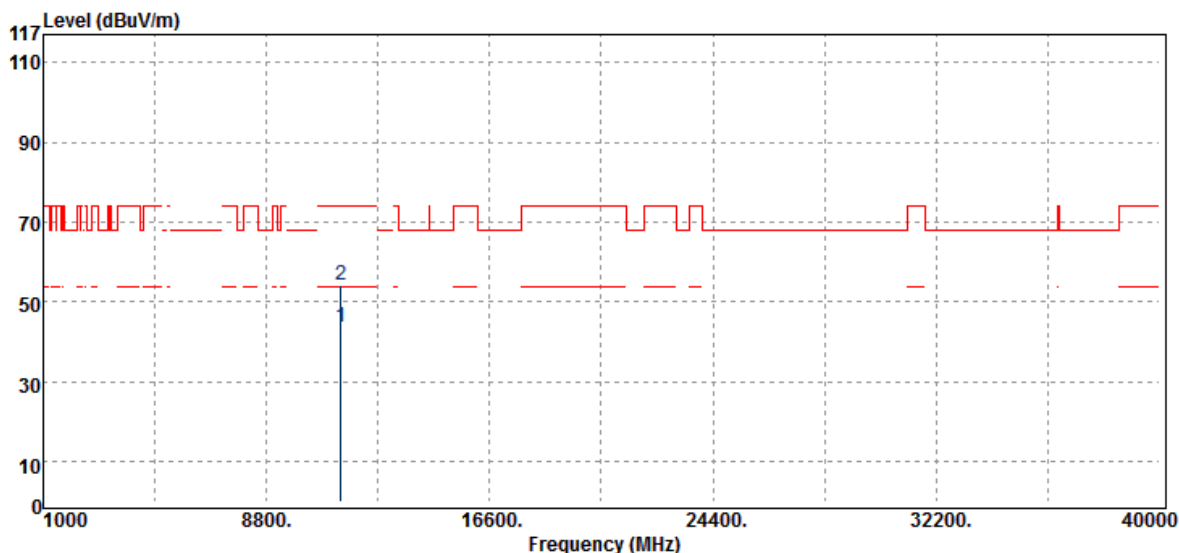
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Operation Band	:802.11n20B3	Test Date	:2018-12-03
Fundamental Frequency	:5700 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	21.42	22.42	43.84	54.00	-10.16
11400.00	Peak	31.83	22.42	54.25	74.00	-19.75

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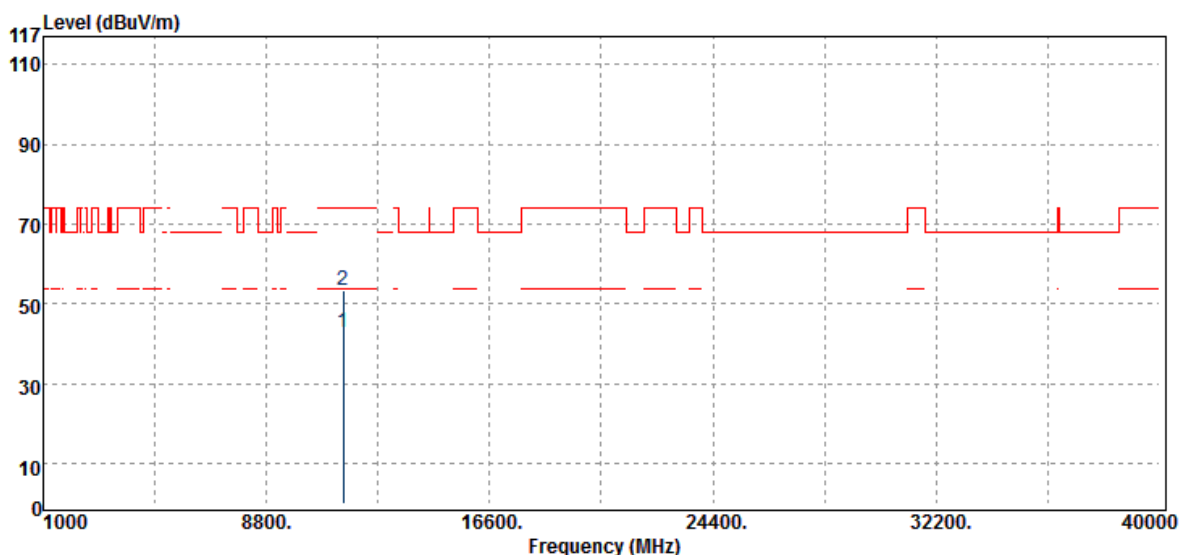
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Operation Band	:802.11n20B4	Test Date	:2018-12-03
Fundamental Frequency	:5745 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	21.31	21.61	42.92	54.00	-11.08
11490.00	Peak	31.67	21.61	53.28	74.00	-20.72

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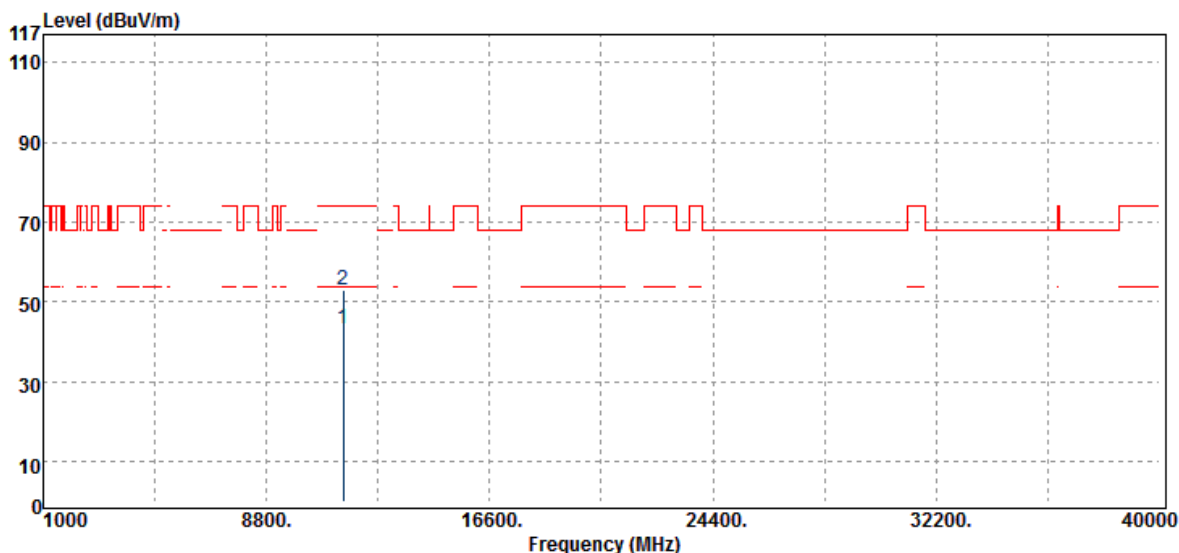
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Operation Band	:802.11n20B4	Test Date	:2018-12-03
Fundamental Frequency	:5745 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	21.56	21.61	43.17	54.00	-10.83
11490.00	Peak	31.29	21.61	52.90	74.00	-21.10

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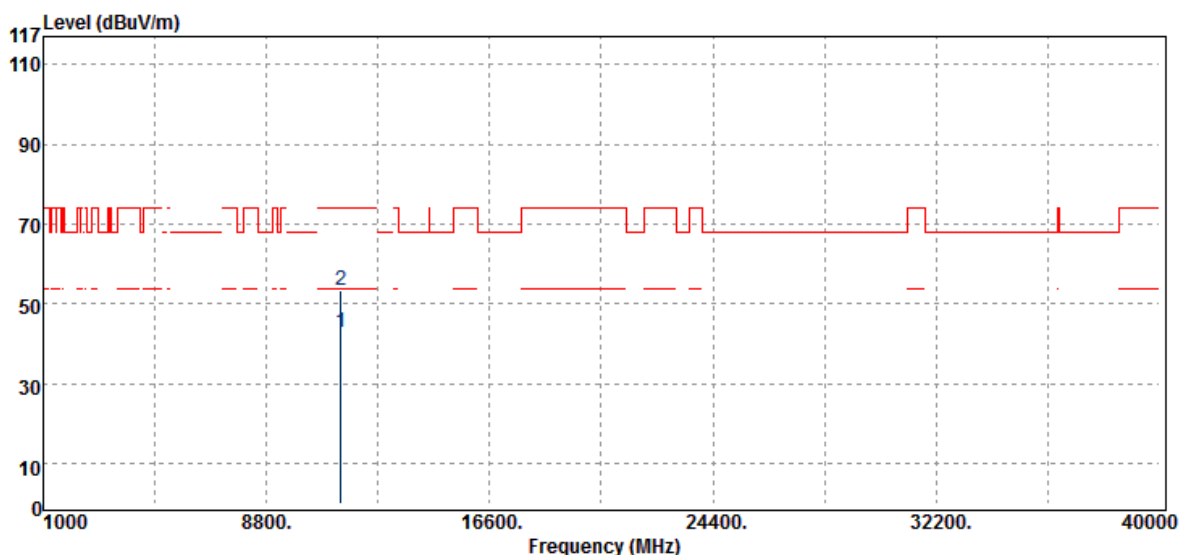
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Operation Band	:802.11n20B3	Test Date	:2018-12-03
Fundamental Frequency	:5700 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	21.44	21.62	43.06	54.00	-10.94
11400.00	Peak	31.94	21.62	53.56	74.00	-20.44

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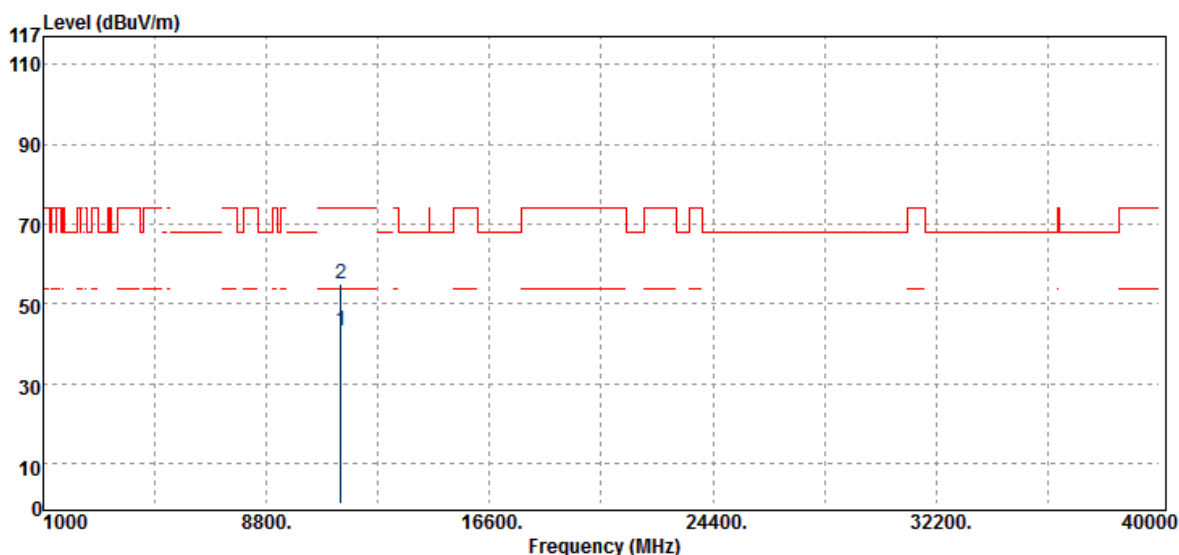
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Operation Band	:802.11n20B3	Test Date	:2018-12-03
Fundamental Frequency	:5700 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	21.58	21.62	43.20	54.00	-10.80
11400.00	Peak	33.48	21.62	55.10	74.00	-18.90

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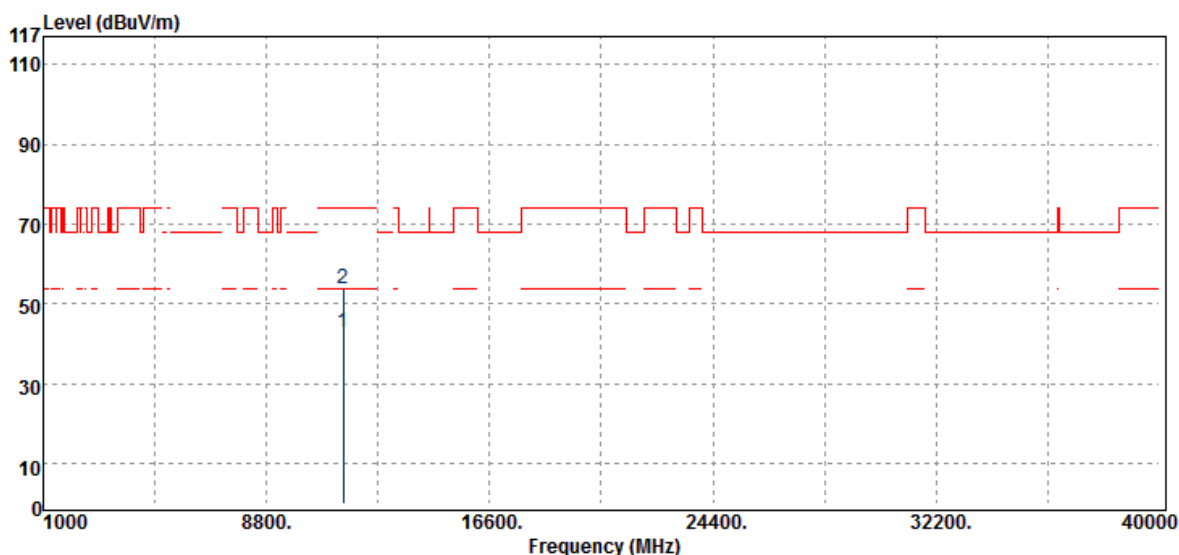
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Operation Band	:802.11n20B4	Test Date	:2018-12-03
Fundamental Frequency	:5745 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	21.28	21.61	42.89	54.00	-11.11
11490.00	Peak	32.12	21.61	53.73	74.00	-20.27

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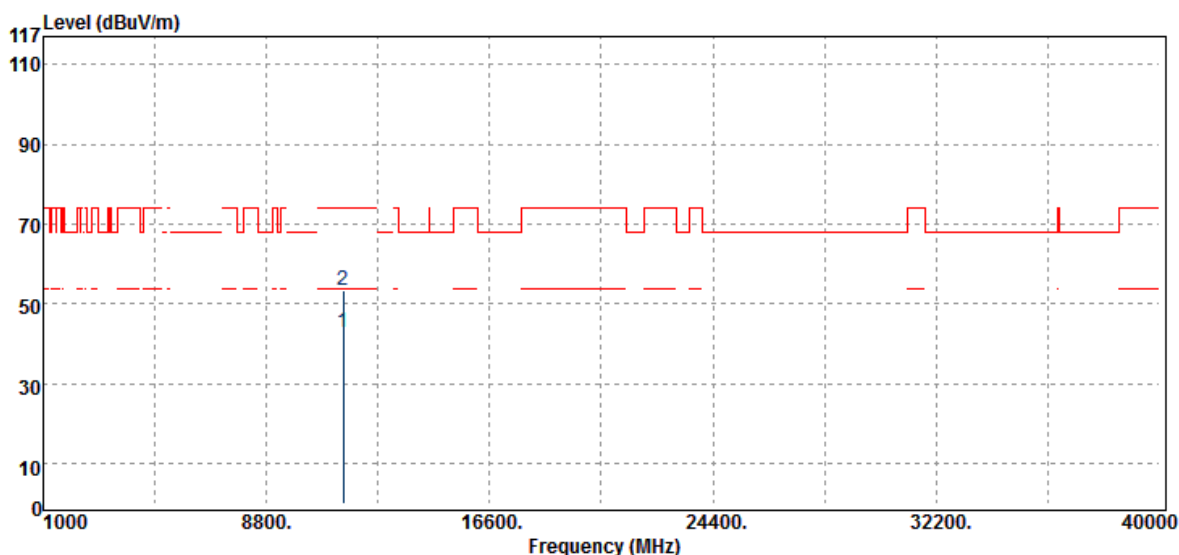
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Operation Band	:802.11n20B4	Test Date	:2018-12-03
Fundamental Frequency	:5745 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	21.37	21.61	42.98	54.00	-11.02
11490.00	Peak	31.68	21.61	53.29	74.00	-20.71

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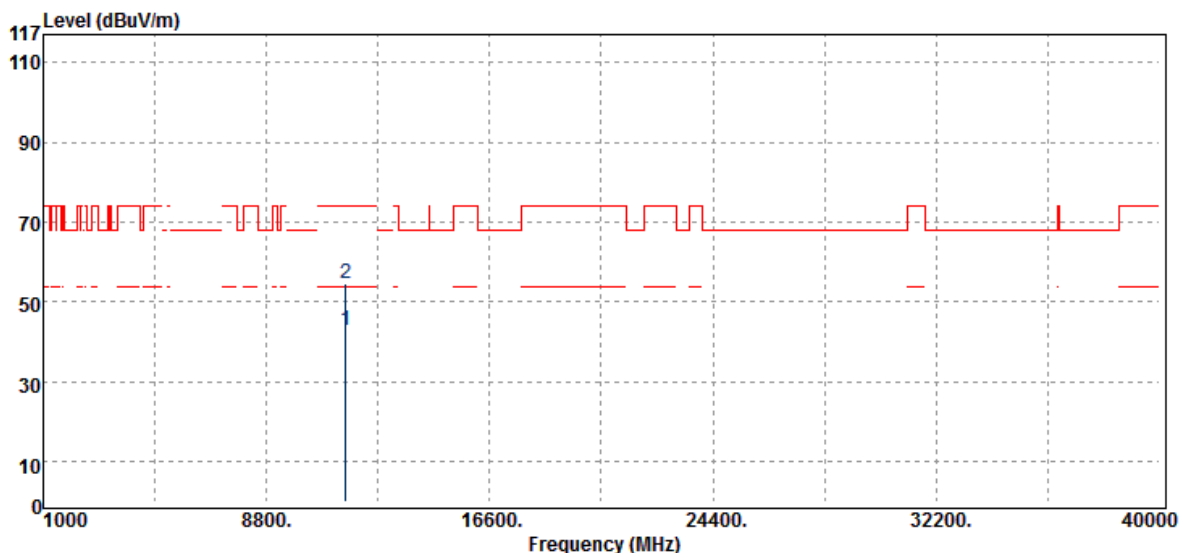
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Operation Band	:802.11n20B4	Test Date	:2018-12-03
Fundamental Frequency	:5785 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	21.35	21.66	43.01	54.00	-10.99
11570.00	Peak	32.94	21.66	54.60	74.00	-19.40

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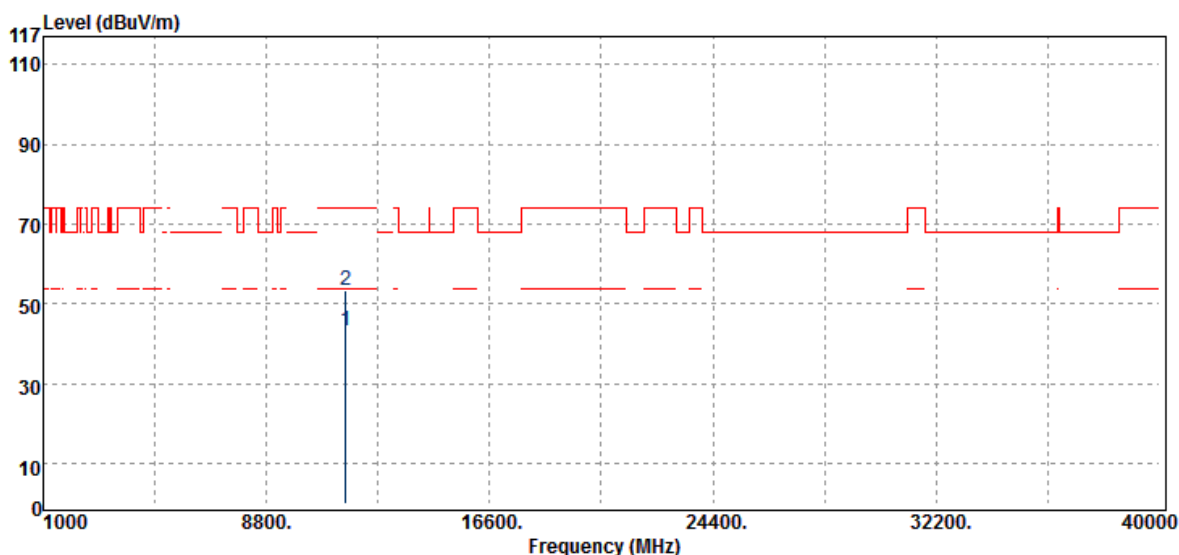
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Operation Band :802.11n20B4
Fundamental Frequency :5785 MHz
Operation Mode :Tx CH MID
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Average	21.54	21.66	43.20	54.00	-10.80
11570.00	Peak	31.89	21.66	53.55	74.00	-20.45

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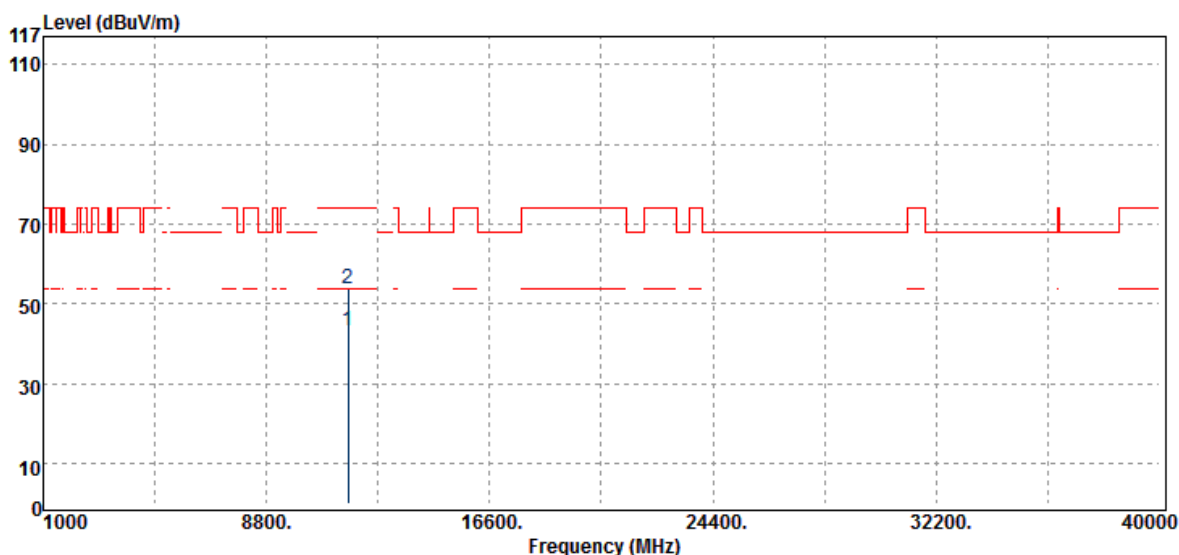
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Operation Band	:802.11n20B4	Test Date	:2018-12-03
Fundamental Frequency	:5825 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	21.19	22.30	43.49	54.00	-10.51
11650.00	Peak	31.56	22.30	53.86	74.00	-20.14

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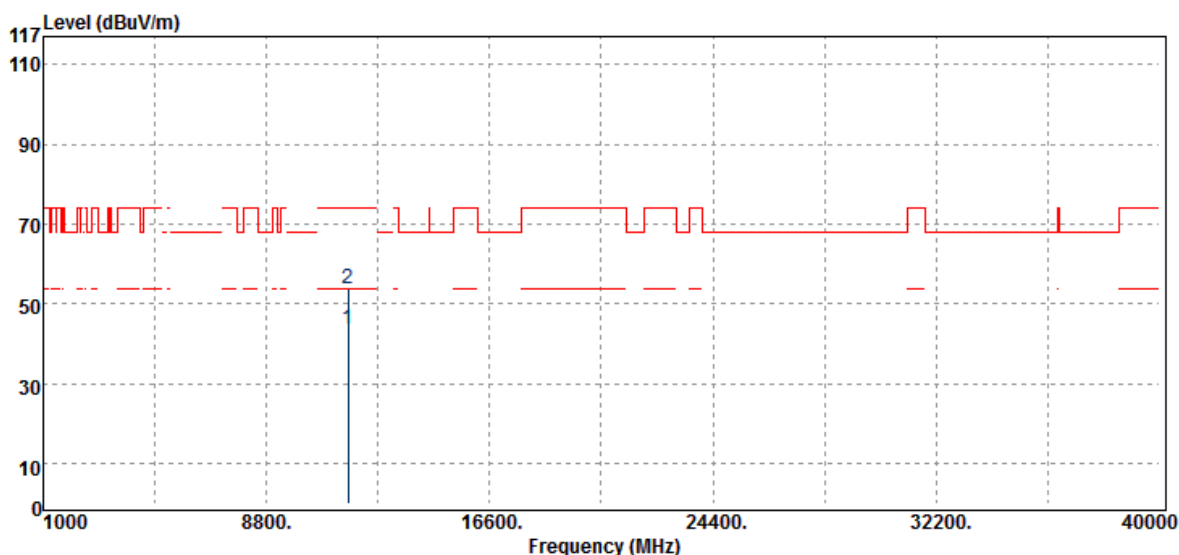
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Operation Band	:802.11n20B4	Test Date	:2018-12-03
Fundamental Frequency	:5825 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	21.27	22.30	43.57	54.00	-10.43
11650.00	Peak	31.39	22.30	53.69	74.00	-20.31

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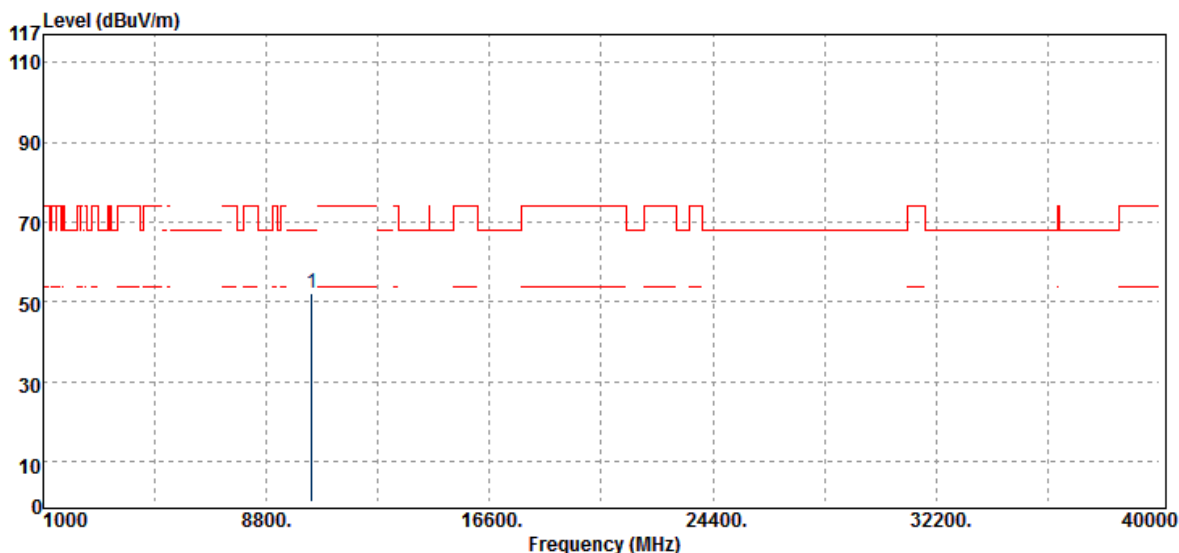
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Operation Band	:802.11n40B1	Test Date	:2018-12-03
Fundamental Frequency	:5190 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.00	Peak	31.70	20.48	52.18	68.20	-16.02

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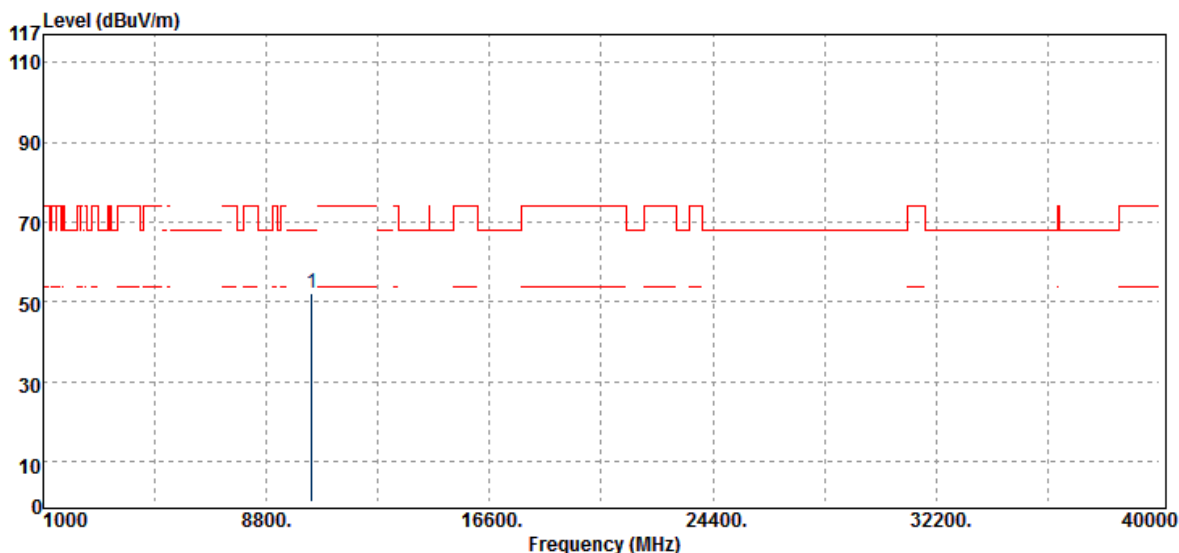
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Operation Band	:802.11n40B1	Test Date	:2018-12-03
Fundamental Frequency	:5190 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.00	Peak	31.87	20.48	52.35	68.20	-15.85

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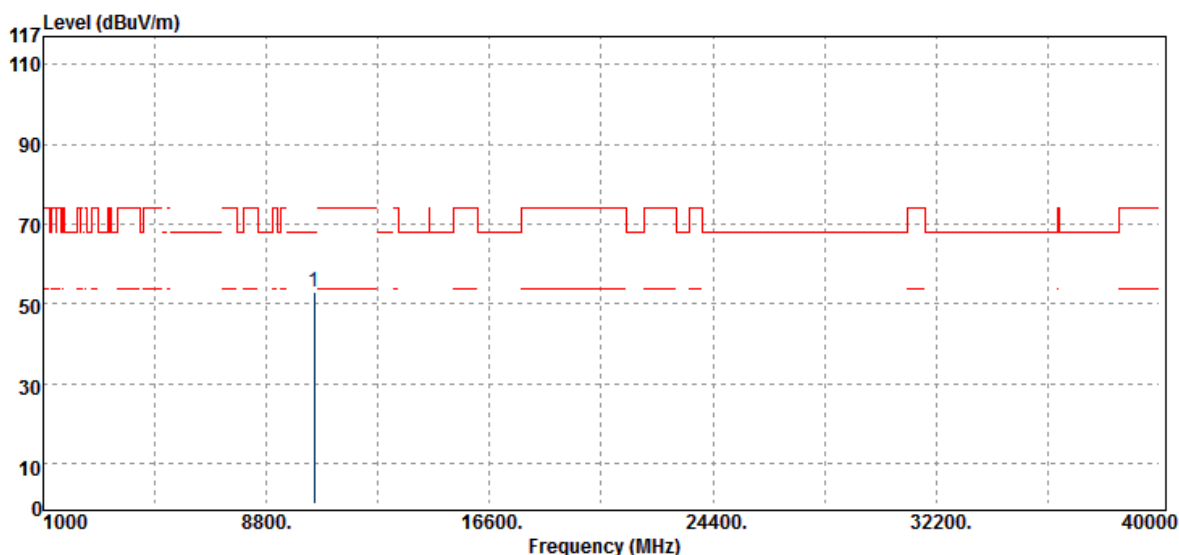
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Operation Band	:802.11n40B1	Test Date	:2018-12-03
Fundamental Frequency	:5230 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10460.00	Peak	32.28	20.77	53.05	68.20	-15.15

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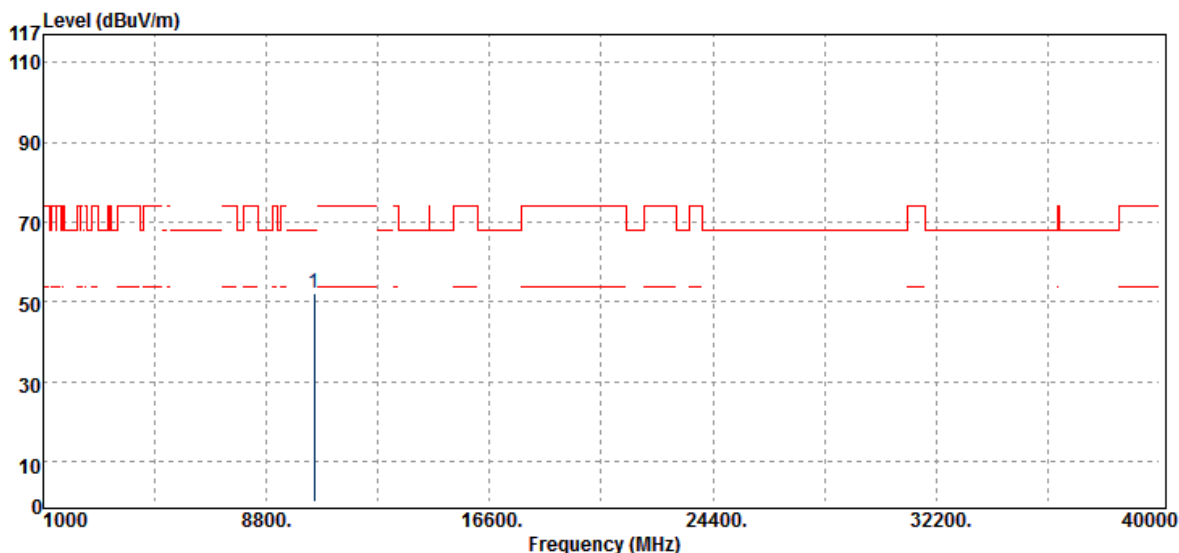
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Operation Band	:802.11n40B1	Test Date	:2018-12-03
Fundamental Frequency	:5230 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10460.00	Peak	31.44	20.77	52.21	68.20	-15.99

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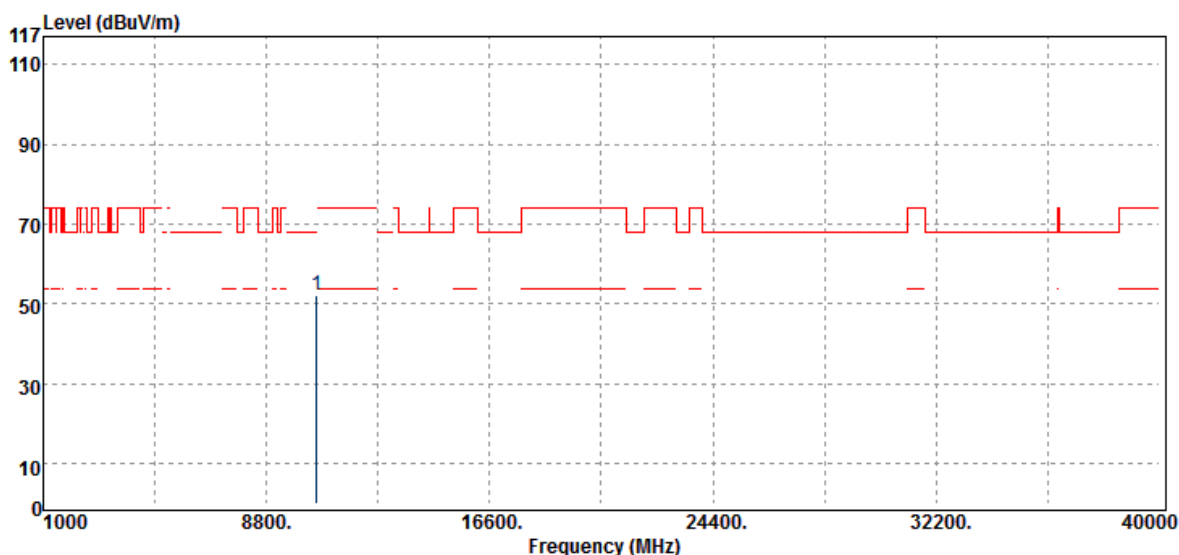
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Operation Band	:802.11n40B2	Test Date	:2018-12-03
Fundamental Frequency	:5270 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.00	Peak	32.18	20.02	52.20	68.20	-16.00

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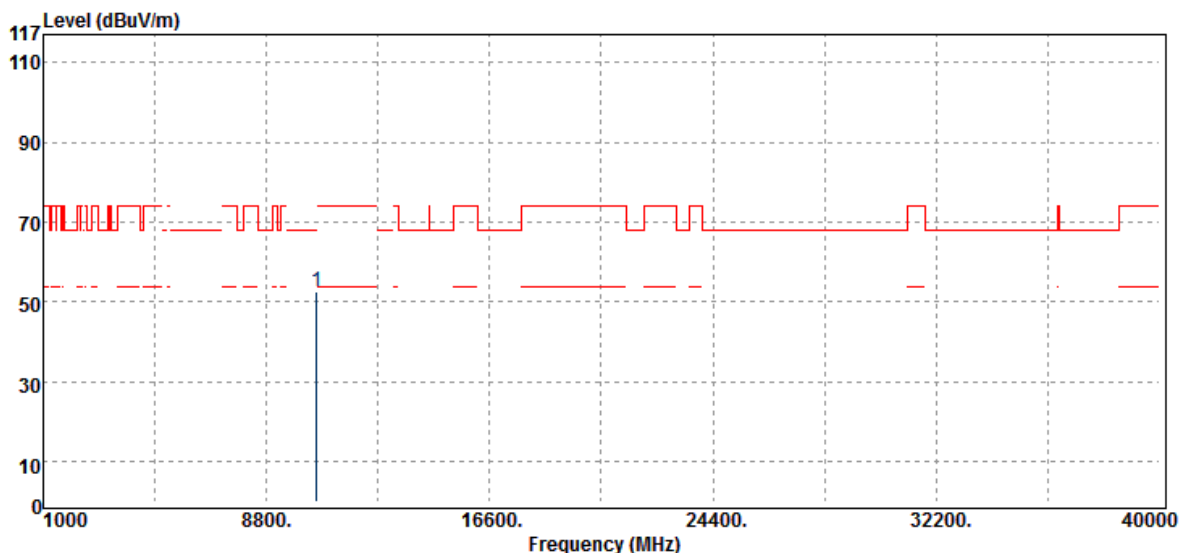
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Operation Band	:802.11n40B2	Test Date	:2018-12-03
Fundamental Frequency	:5270 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.00	Peak	32.44	20.02	52.46	68.20	-15.74

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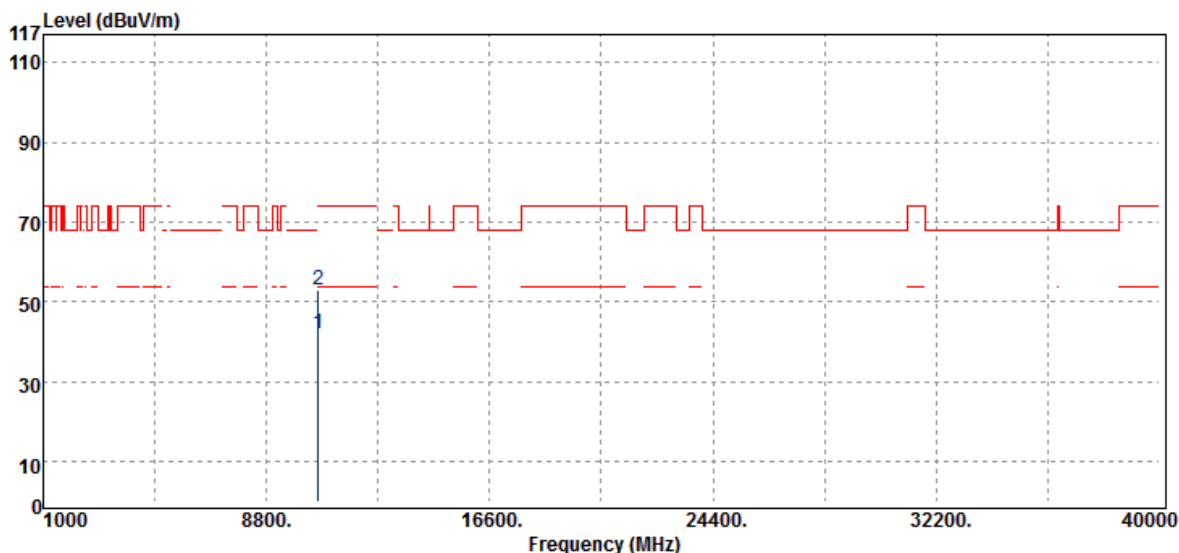
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Operation Band	:802.11n40B2	Test Date	:2018-12-03
Fundamental Frequency	:5310 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.00	Average	21.67	20.41	42.08	54.00	-11.92
10620.00	Peak	32.44	20.41	52.85	74.00	-21.15

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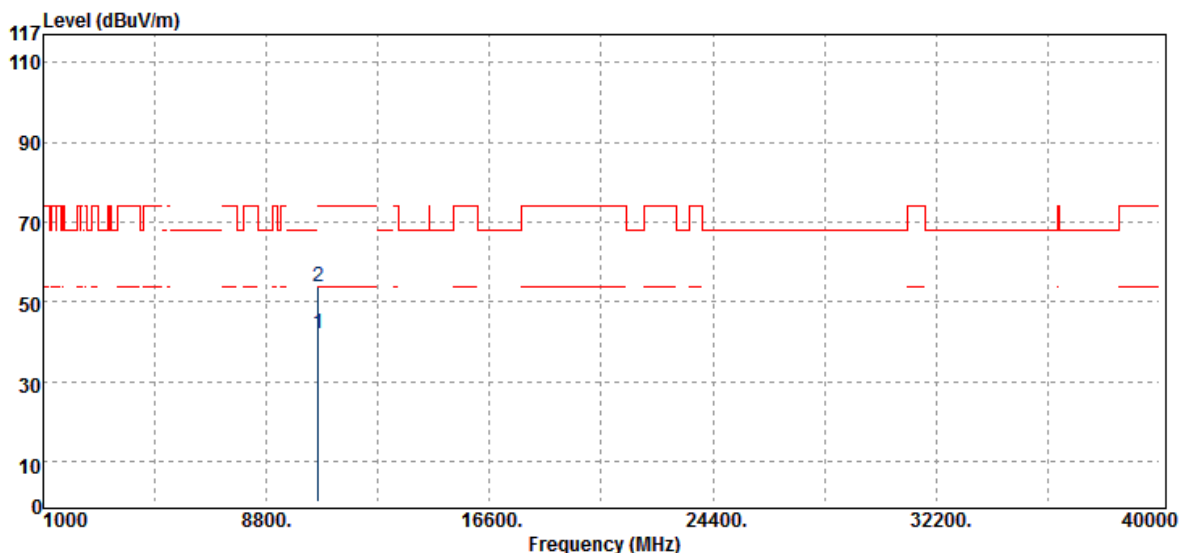
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Operation Band	:802.11n40B2	Test Date	:2018-12-03
Fundamental Frequency	:5310 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.00	Average	21.76	20.41	42.17	54.00	-11.83
10620.00	Peak	33.44	20.41	53.85	74.00	-20.15

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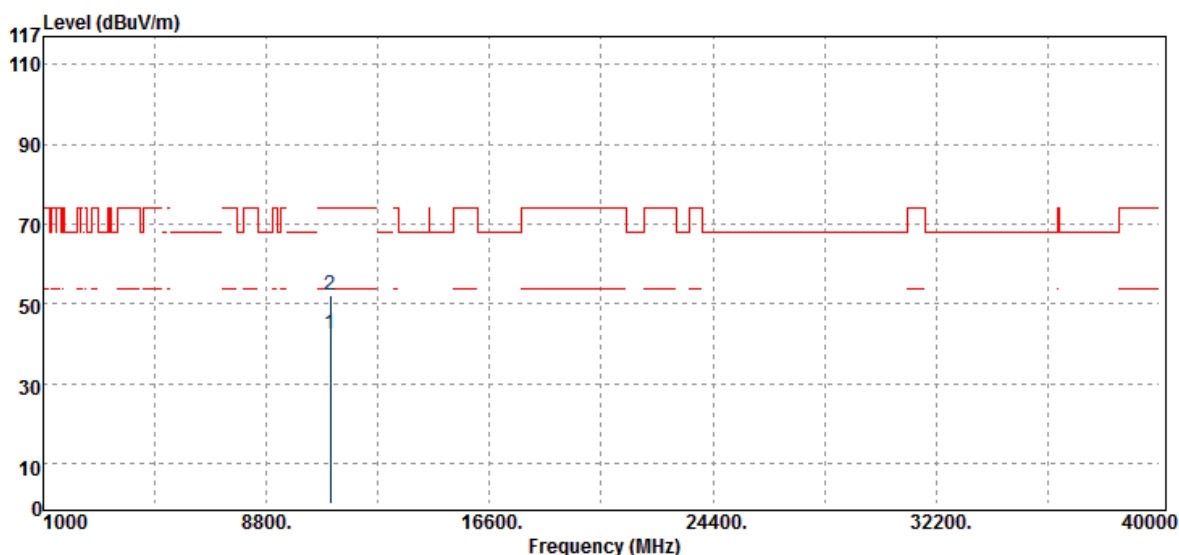
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Operation Band	:802.11n40B3	Test Date	:2018-12-03
Fundamental Frequency	:5510 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.00	Average	21.25	21.46	42.71	54.00	-11.29
11020.00	Peak	30.82	21.46	52.28	74.00	-21.72

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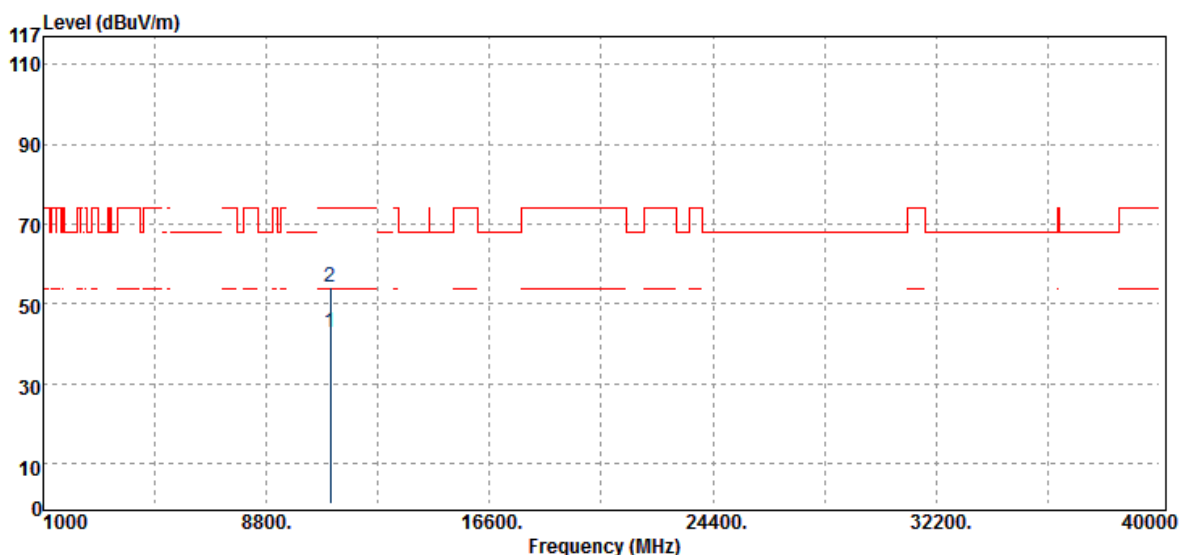
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Operation Band :802.11n40B3
Fundamental Frequency :5510 MHz
Operation Mode :Tx CH LOW
EUT Pol. :E2 Plane

Test Date :2018-12-03
Temp./Humi. :21 deg_C / 62 RH
Engineer :Tin
Measurement Antenna Pol. :HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.00	Average	21.33	21.46	42.79	54.00	-11.21
11020.00	Peak	32.84	21.46	54.30	74.00	-19.70

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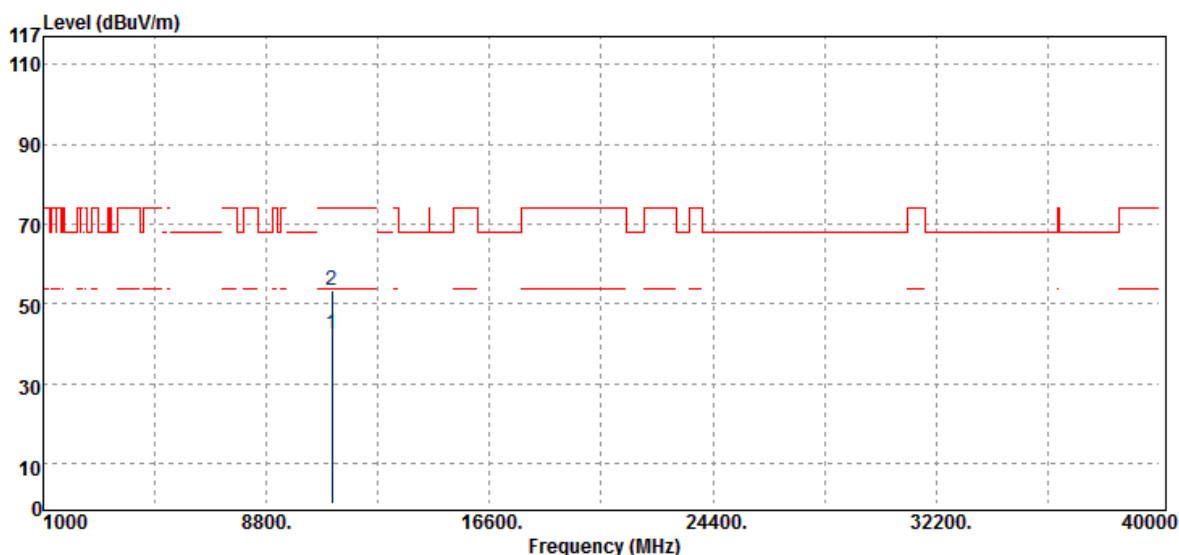
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Operation Band	:802.11n40B3	Test Date	:2018-12-03
Fundamental Frequency	:5550 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11100.00	Average	21.16	21.53	42.69	54.00	-11.31
11100.00	Peak	31.72	21.53	53.25	74.00	-20.75

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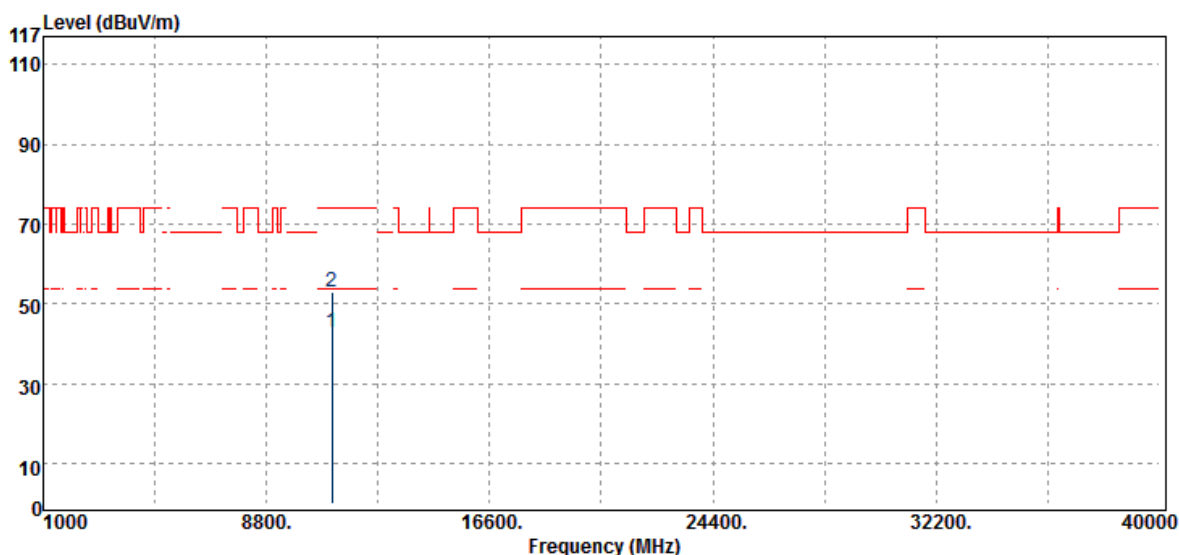
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Operation Band	:802.11n40B3	Test Date	:2018-12-03
Fundamental Frequency	:5550 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH MID	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11100.00	Average	21.21	21.53	42.74	54.00	-11.26
11100.00	Peak	31.38	21.53	52.91	74.00	-21.09

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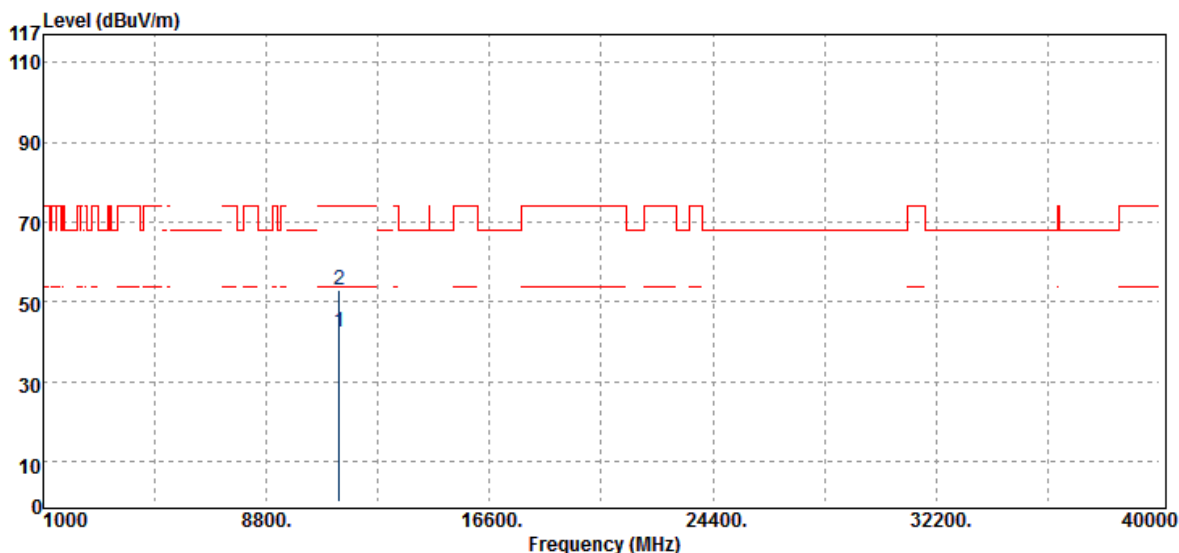
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Operation Band	:802.11n40B3	Test Date	:2018-12-03
Fundamental Frequency	:5670 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.00	Average	21.15	21.54	42.69	54.00	-11.31
11340.00	Peak	31.57	21.54	53.11	74.00	-20.89

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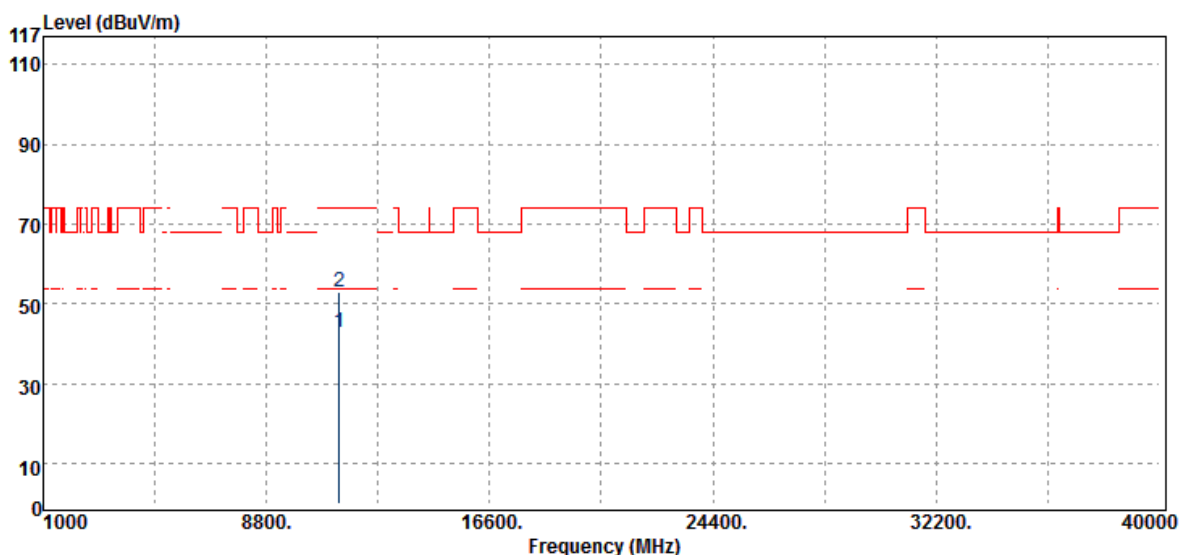
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Operation Band	:802.11n40B3	Test Date	:2018-12-03
Fundamental Frequency	:5670 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.00	Average	21.24	21.54	42.78	54.00	-11.22
11340.00	Peak	31.45	21.54	52.99	74.00	-21.01

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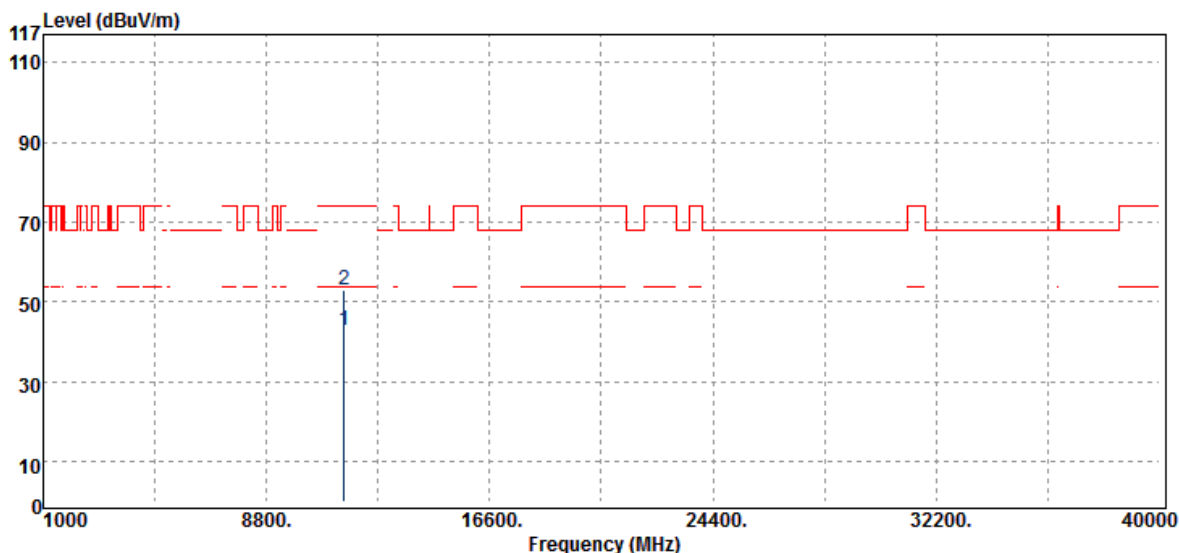
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Operation Band	:802.11n40B4	Test Date	:2018-12-03
Fundamental Frequency	:5755 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11510.00	Average	21.11	21.66	42.77	54.00	-11.23
11510.00	Peak	31.52	21.66	53.18	74.00	-20.82

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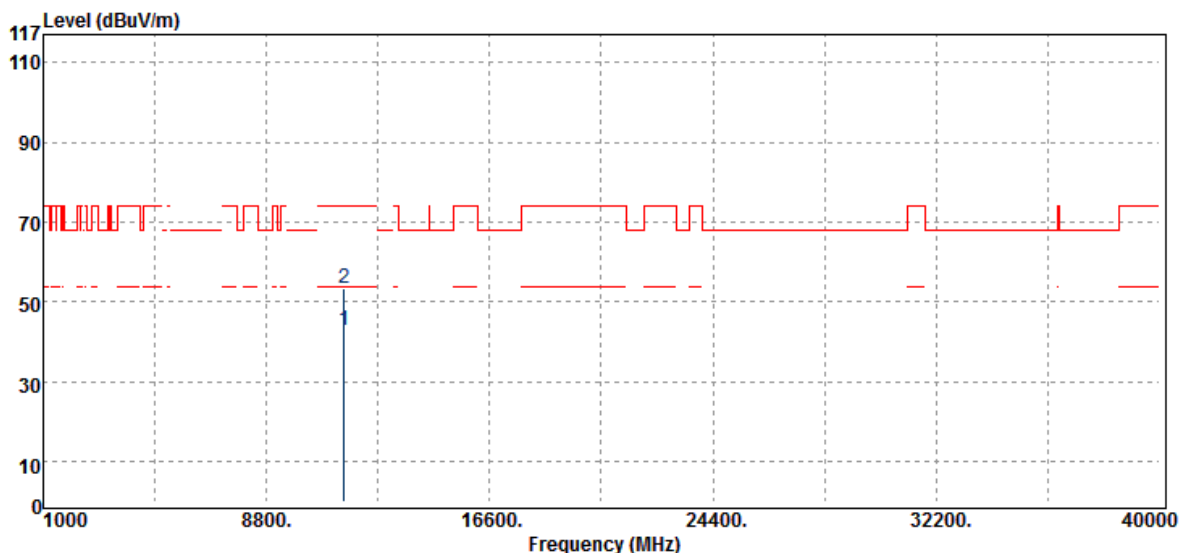
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Operation Band	:802.11n40B4	Test Date	:2018-12-03
Fundamental Frequency	:5755 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11510.00	Average	21.24	21.66	42.90	54.00	-11.10
11510.00	Peak	31.76	21.66	53.42	74.00	-20.58

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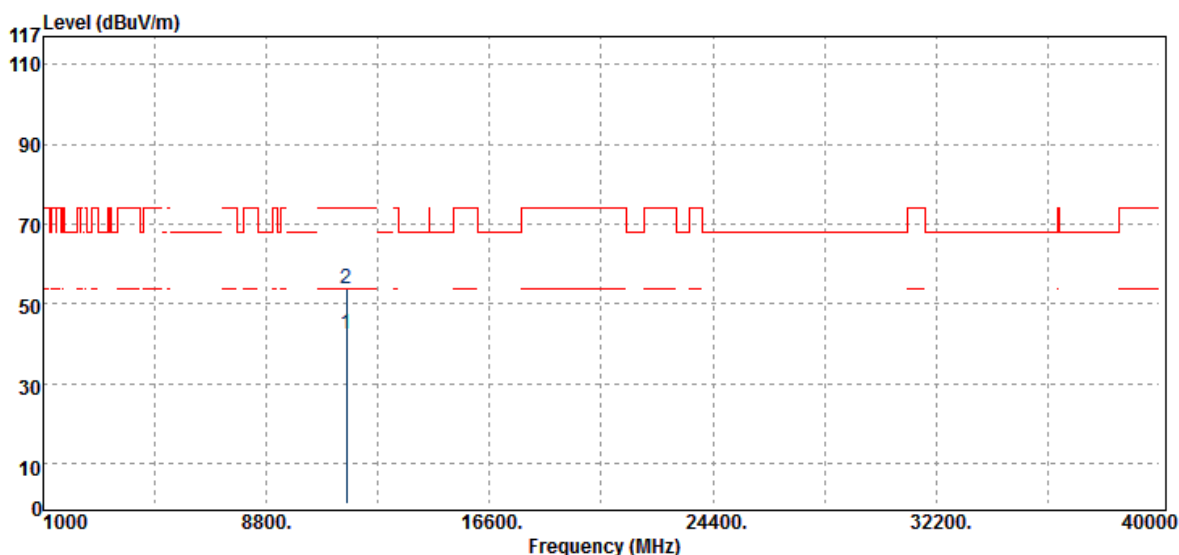
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Operation Band	:802.11n40B4	Test Date	:2018-12-03
Fundamental Frequency	:5795 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:VERTICAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.00	Average	20.99	21.66	42.65	54.00	-11.35
11590.00	Peak	32.27	21.66	53.93	74.00	-20.07

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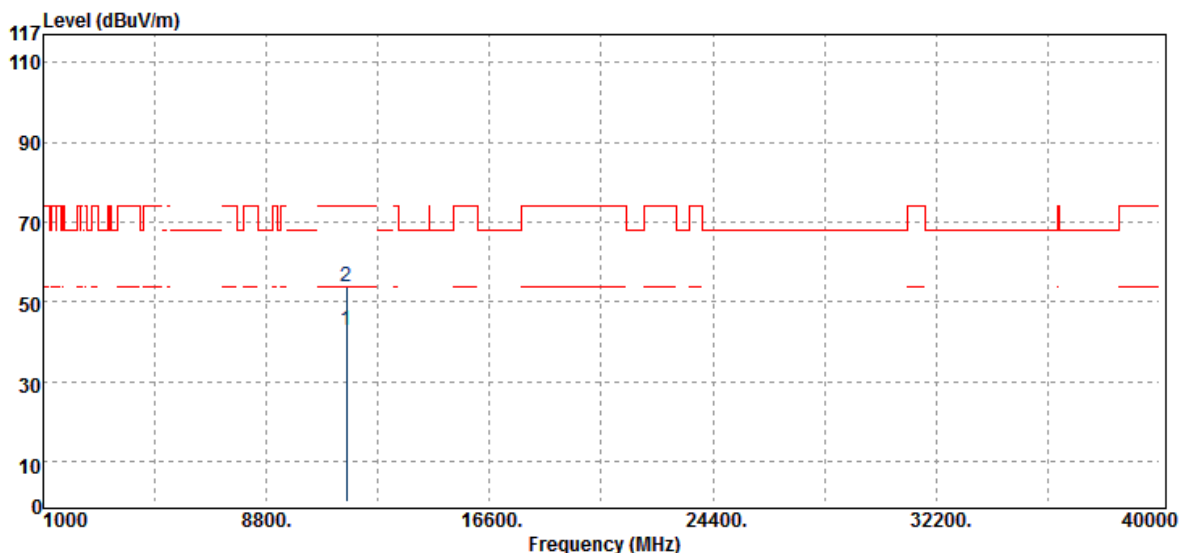
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Operation Band	:802.11n40B4	Test Date	:2018-12-03
Fundamental Frequency	:5795 MHz	Temp./Humi.	:21 deg_C / 62 RH
Operation Mode	:Tx CH HIGH	Engineer	:Tin
EUT Pol.	:E2 Plane	Measurement Antenna Pol.	:HORIZONTAL



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.00	Average	21.09	21.66	42.75	54.00	-11.25
11590.00	Peak	32.08	21.66	53.74	74.00	-20.26

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12 TRANSMISSION IN THE ABSENCE OF DATA

12.1 Standard Applicable

According to §15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

12.2 Result

No non-compliance noted:

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ASK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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13 FREQUENCY STABILITY

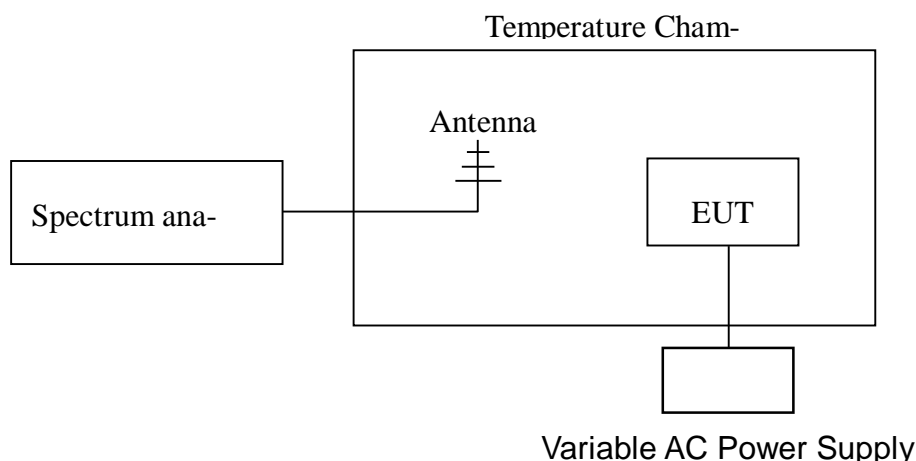
13.1 Standard Applicable

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

13.2 Measurement Procedure

1. The EUT was placed inside temperature chamber and powered and powered by nominal DC voltage.
2. Set EUT as normal operation.
3. Turn the EUT on and couple its output to spectrum.
4. Turn the EUT off and set the chamber to the highest temperature specified.
5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT and measure the operating frequency.
6. Repeat step with the temperature chamber set to the lowest temperature.

13.3 Test SET-UP



13.4 Measurement Equipment Used

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	03/21/2017	03/20/2018
DC Block	Mini-Circuits	BLK-18-S+	1	01/05/2017	01/04/2018
Coaxial Cable	HUBER+SUHNER	SUCOFLEX 102	23670/2	01/05/2017	01/04/2018
Attenuator	Mini-Circuit	BW-S10W2+	2	01/05/2017	01/04/2018
DC Power Supply	Agilent	E3640A	MY52410006	11/21/2016	11/20/2017
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2016	05/16/2017

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13.5 Measurement Result

Operation Mode	802.11 a	Test Date	2017.5.24
Temperature	:17 °C	Test By	Cooper
Humidity	:65 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-10 °C	3.63V	36	5180	5,180.06006	-0.00001159
		44	5220	5,220.06006	-0.00001151
		48	5240	5,240.06006	-0.00001146
		52	5260	5,260.06006	-0.00001142
		60	5300	5,300.06006	-0.00001133
		64	5320	5,320.06006	-0.00001129
		100	5500	5,500.06006	-0.00001092
		116	5580	5,580.06006	-0.00001076
		140	5700	5,700.04492	-0.00000788
		149	5745	5,745.06006	-0.00001045
		157	5785	5,785.06006	-0.00001038
		165	5825	5,825.06006	-0.00001031
	2.97V	36	5180	5,180.06006	-0.00001159
		44	5220	5,220.06006	-0.00001151
		48	5240	5,240.06006	-0.00001146
		52	5260	5,260.06006	-0.00001142
		60	5300	5,300.06006	-0.00001133
		64	5320	5,320.06006	-0.00001129
		100	5500	5,500.06006	-0.00001092
		116	5580	5,580.06006	-0.00001076
		140	5700	5,700.06006	-0.00001054
		149	5745	5,745.06006	-0.00001045
		157	5785	5,785.06006	-0.00001038
		165	5825	5,825.06006	-0.00001031

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25 °C	3.3V	36	5180	5,180.06006	-0.00001159
		44	5220	5,220.06006	-0.00001151
		48	5240	5,240.06006	-0.00001146
		52	5260	5,260.06006	-0.00001142
		60	5300	5,300.06006	-0.00001133
		64	5320	5,320.06006	-0.00001129
		100	5500	5,500.06006	-0.00001092
		116	5580	5,580.07495	-0.00001343
		140	5700	5,700.06006	-0.00001054
		149	5745	5,745.06006	-0.00001045
		157	5785	5,785.06006	-0.00001038
		165	5825	5,825.06006	-0.00001031

55 °C	3.63V	36	5180	5,180.06006	-0.00001159
		44	5220	5,220.06006	-0.00001151
		48	5240	5,240.06006	-0.00001146
		52	5260	5,260.06006	-0.00001142
		60	5300	5,300.06006	-0.00001133
		64	5320	5,320.06006	-0.00001129
		100	5500	5,500.06006	-0.00001092
		116	5580	5,580.06006	-0.00001076
		140	5700	5,700.06006	-0.00001054
		149	5745	5,745.06006	-0.00001045
		157	5785	5,785.06006	-0.00001038
		165	5825	5,825.06006	-0.00001031
	2.97V	36	5180	5,180.06006	-0.00001159
		44	5220	5,220.06006	-0.00001151
		48	5240	5,240.06006	-0.00001146
		52	5260	5,260.06006	-0.00001142
		60	5300	5,300.06006	-0.00001133
		64	5320	5,320.06006	-0.00001129
		100	5500	5,500.04492	-0.00000817
		116	5580	5,580.06006	-0.00001076
		140	5700	5,700.06006	-0.00001054
		149	5745	5,745.06006	-0.00001045
		157	5785	5,785.06006	-0.00001038
		165	5825	5,825.06006	-0.00001031

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Operation Mode	802.11 n_HT40	Test Date	2017.5.24
Temperature	:17 °C	Test By	Cooper
Humidity	:65 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
-10 °C	3.63V	38	5190	5,190.04981	-0.00000960
		46	5230	5,230.04981	-0.00000952
		54	5270	5,270.04981	-0.00000945
		62	5310	5,310.04981	-0.00000938
		102	5510	5,510.04981	-0.00000904
		110	5550	5,550.07495	-0.00001350
		134	5670	5,670.09985	-0.00001761
		151	5755	5,755.07495	-0.00001302
		159	5795	5,795.09985	-0.00001723
	2.97V	38	5190	5,190.05005	-0.00000964
		46	5230	5,230.07495	-0.00001433
		54	5270	5,270.07495	-0.00001422
		62	5310	5,310.07495	-0.00001412
		102	5510	5,510.07495	-0.00001360
		110	5550	5,550.07495	-0.00001350
		134	5670	5,670.07495	-0.00001322
		151	5755	5,755.07495	-0.00001302
		159	5795	5,795.05005	-0.00000864

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25 °C	3.3V	38	5190	5,190.02490	-0.00000480
		46	5230	5,230.07495	-0.00001433
		54	5270	5,270.02490	-0.00000473
		62	5310	5,310.07495	-0.00001412
		102	5510	5,510.07495	-0.00001360
		110	5550	5,550.07495	-0.00001350
		134	5670	5,670.07495	-0.00001322
		151	5755	5,755.09985	-0.00001735
		159	5795	5,795.05005	-0.00000864
55 °C	3.63V	38	5190	5,190.07495	-0.00001444
		46	5230	5,230.07495	-0.00001433
		54	5270	5,270.07495	-0.00001422
		62	5310	5,310.05005	-0.00000943
		102	5510	5,510.07495	-0.00001360
		110	5550	5,550.04981	-0.00000897
		134	5670	5,670.07495	-0.00001322
		151	5755	5,755.05005	-0.00000870
		159	5795	5,795.10010	-0.00001727
	2.97V	38	5190	5,190.07495	-0.00001444
		46	5230	5,230.05005	-0.00000957
		54	5270	5,270.02490	-0.00000473
		62	5310	5,310.05005	-0.00000943
		102	5510	5,510.07495	-0.00001360
		110	5550	5,550.07495	-0.00001350
		134	5670	5,670.07495	-0.00001322
		151	5755	5,755.07495	-0.00001302
		159	5795	5,795.05005	-0.00000864

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14 ANTENNA REQUIREMENT

14.1 Standard Applicable

According to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

According to §15.407, 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.

14.2 Antenna Connected Construction

A PIFA antenna design is used.

The antenna is designed with permanent attached and no consideration of replacement. Please see EUT photo and antenna spec. for details.

The antenna gain is less than 6dBi. Therefore, it is not necessary to reduce maximum output power limit.

~ End of Report ~

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