



FCC RADIO TEST REPORT

FCC ID : PKRISGM3000B
Equipment : M3000B
Brand Name : Inseego
Model Name : M3000B
Marketing Name : M3000
Applicant : Inseego Corp.
9710 Scranton Road Suite 200, San Diego,, CA 92121
Manufacturer : Inseego Corp.
9710 Scranton Road Suite 200, San Diego,, CA 92121
Standard : FCC 47 CFR Part 2, 96

The product was received on Sep. 29, 2022 and testing was performed from Oct. 02, 2022 to Oct. 03, 2022. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Neil Kao

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035



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Appendix A. Test Results of Conducted Test	



History of this test report

Report No.	Version	Description	Issue Date
FG211223001B	01	Initial issue of report	Oct. 06, 2022



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
3.3	§96.41	Effective Isotropic Radiated Power	Pass	-
3.4	§2.1049 §96.41	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §96.41	Conducted Band Edge Measurement	Pass	-
3.6	§2.1051 §96.41	Conducted Spurious Emission	Pass	-

Conformity Assessment Condition:

The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.

Comments and Explanations:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Product Feature of Equipment Under Test

3G-WCDMA, 4G-LTE, 5G-FR1, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and GNSS

Product Feature	
Antenna Type	WWAN: Internal Antenna WLAN <Ant. 0>: Internal Antenna <Ant. 1>: Internal Antenna GPS / Glonass / BDS / Galileo : Internal Antenna
Antenna Gain	5G NR n48 <Ant. 4>: 1.5 dBi <Ant. 6>: 3.8 dBi

Remark: The EUT's information above was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	Sporton Site No.
	TH01-CA
Test Engineer	Venkata Kondepudi
Temperature	22~24°C
Relative Humidity	48.7~52.2%

FCC Designation No.: US1250



1.4 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v03
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

Test Items	Band	Bandwidth (MHz)				Modulation					RB #			Test Channel		
		10	20	30	40	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	n48			v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	n48			v	v	v	v	v	v	v			v		v	
Conducted Band Edge	n48			v	v	v	v	v	v	v	v		v	v	v	v
Conducted Spurious Emission	n48			v	v		v				v			v	v	v
E.I.R.P	n48			v	v	v	v	v	v	v	Max. Power					
Remark	1. The mark "v " means that this configuration is chosen for testing 2. The mark "- " means that this bandwidth is not supported. 3. This test report merely covers conducted test for bandwidths 30MHz and 40MHz, while the rest of the bandwidths supported and missing test items are covered by another report issued by Sporton International Inc, report No. FG1D2409G.															

2.2 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

$$Offset = RF\ cable\ loss + attenuator\ factor.$$

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$Offset(dB) = RF\ cable\ loss(dB) + attenuator\ factor(dB).$$

$$= 4.2 + 10 = 14.2 (dB)$$



2.3 Frequency List of Low/Middle/High Channels

5G NR n48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	638000	641666	645332
	Frequency	3570	3624.99	3679.98
30	Channel	637668	641666	645666
	Frequency	3565.02	3624.99	3684.99

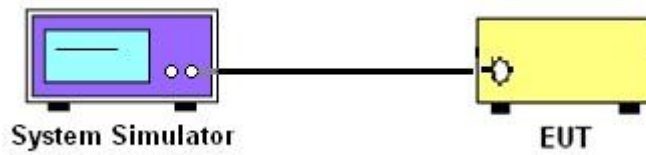
3 Conducted Test Items

3.1 Measuring Instruments

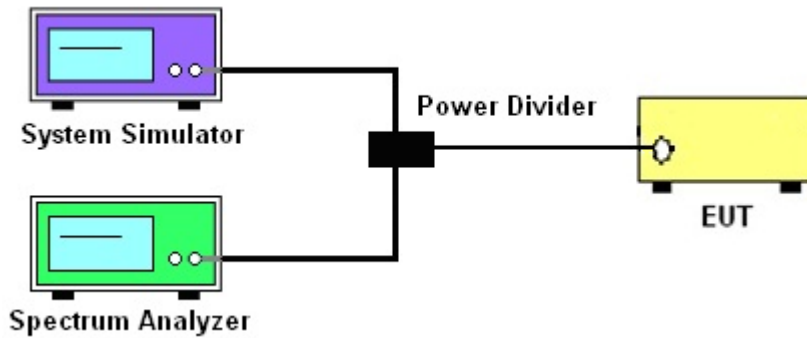
See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Occupied Bandwidth, Conducted Band Edge and Conducted Spurious Emission



3.1.4 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power

3.2.1 Description of the Conducted Output Power Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.



3.3 EIRP

3.3.1 Description of the EIRP Measurement

The EIRP of mobile transmitters must not exceed 23 dBm /10 megahertz for 5G NR n48.

The testing follows ANSI C63.26-2015 Section 5.2.5.5

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - LC$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

Device	Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a

Remark:

1. Total channel power is complied with EIRP limit 23dBm/10MHz.
2. The MIMO mode is completely uncorrelated, so the directional gain is selected the maximum gain among all antennas.

3.3.2 Test Procedures

The testing follows procedure in Section 5.2 of ANSI C63.26-2015 and KDB 940660 D01 Part 96 CBRS Eqpt v03 Section 3.2(b)(2)

Determine the EIRP by adding the effective antenna gain to the measured average conducted power level.



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

The conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. For MIMO mode, add additional MIMO factor $10\log(\text{NTX}=2) = 3.01\text{dB}$ into the spectrum analyzer offset.

For Adjacent Channel Leakage Ratio (ACLR) measurement,

1. The Adjacent Channel Leakage Ratio (ACLR) is the ratio of the average power in the assigned aggregated channel bandwidth to the average power over the equivalent adjacent channel bandwidth.
2. The option ACLR of spectrum analyzer is used and measures the ACLR ratio by setting equivalent channel bandwidth.
3. The measured ACLR ratio shall be at least 30 dB.



3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

96.41 (e)(2)

The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is -40dBm/MHz.
10. For MIMO mode, add additional MIMO factor $10\log(\text{NTX}=2) = 3.01\text{dB}$ into the spectrum analyzer offset.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	45141354	N/A	Jul. 27, 2022	Oct. 02, 2022~ Oct. 03, 2022	Jul. 26, 2023	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101545	10Hz-40GHz	May 31, 2022	Oct. 02, 2022~ Oct. 03, 2022	May 30, 2023	Conducted (TH01-CA)
Radio Communication Test Station	Anritsu	MT8000A	6262208375	N/A	Jun. 08, 2022	Oct. 02, 2022~ Oct. 03, 2022	Jun. 07, 2023	Conducted (TH01-CA)



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and EIRP

<SISO Mode>

NR n48 Maximum Average Power [dBm] (GT - LC = 1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	13.80	18.74	15.35	20.31	0.1074
30	1	76		13.55	18.72	15.49		
30	36	18		13.67	18.81	15.63		
30	1	0		13.75	18.31	15.45		
30	1	77		13.65	18.24	15.57		
30	75	0		13.75	18.31	15.61		
30	1	1	QPSK	13.69	18.75	15.42		
30	1	76		13.56	18.70	15.46		
30	36	18		13.71	18.78	15.58		
30	1	0		13.71	17.85	15.42		
30	1	77		13.69	17.75	15.49		
30	75	0		13.75	17.75	15.59		
30	1	1	16-QAM	13.57	17.80	15.23	19.30	0.0851
30	1	1	64-QAM	14.61	16.26	15.12		
30	1	1	256-QAM	14.49	14.05	15.11		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = 1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	14.56	18.72	14.50	20.31	0.1074
40	1	104		14.63	18.69	14.49		
40	50	25		14.64	18.77	14.54		
40	1	0		14.61	18.15	14.46		
40	1	105		14.69	18.25	14.50		
40	100	0		14.66	18.18	14.54		
40	1	1	QPSK	13.78	18.66	15.45		
40	1	104		13.75	18.81	15.50		
40	50	25		13.66	18.77	15.53		
40	1	0		13.62	17.68	15.50		
40	1	105		13.79	17.75	15.49		
40	100	0		13.75	17.74	15.56		
40	1	1	16-QAM	13.94	17.63	14.58	19.13	0.0818
40	1	1	64-QAM	14.62	16.00	14.45		
40	1	1	256-QAM	14.28	14.01	14.18		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.



<MIMO Mode>

Part96 NR n48 Maximum Average Power [dBm], DG = 3.8 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 4			Antenna 6			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
30	1	1	QPSK	8.86	12.88	11.38	9.69	13.28	11.75	12.31	16.09	14.58	19.99	0.0998
30	1	76		9.13	13.09	11.31	9.53	13.27	11.72	12.34	16.19	14.53		
30	39	19		8.96	12.95	11.39	9.67	13.27	11.76	12.34	16.12	14.59		
30	1	0		8.80	11.38	11.49	9.62	11.93	11.94	12.24	14.67	14.73		
30	1	77		9.02	11.51	11.34	9.50	11.76	11.71	12.28	14.65	14.54		
30	78	0		8.99	11.45	11.43	9.69	11.76	11.75	12.36	14.62	14.60		
30	1	1	16-QAM	11.11	12.37	11.35	11.57	12.89	11.99	14.36	15.65	14.69	19.45	0.0881
30	1	1	64-QAM	10.70	10.72	11.52	11.79	11.46	11.57	14.29	14.12	14.56		
30	1	1	256-QAM	10.96	7.82	11.50	11.58	8.22	11.91	14.29	11.03	14.72		
Limit	EIRP < 23dBm/10MHz			Result									Pass	

Part96 NR n48 Maximum Average Power [dBm], DG = 3.8 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 4			Antenna 6			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
40	1	1	QPSK	10.00	13.00	9.36	10.76	13.15	9.72	13.41	16.09	12.55	20.07	0.1016
40	1	104		10.35	13.24	9.34	10.77	13.27	9.65	13.58	16.27	12.51		
40	53	26		10.70	12.94	9.29	10.06	13.28	9.73	13.40	16.12	12.53		
40	1	0		10.70	11.47	9.45	9.92	11.66	9.74	13.34	14.58	12.61		
40	1	105		10.40	11.26	9.36	11.49	10.80	9.74	13.99	14.05	12.56		
40	106	0		10.71	11.47	9.33	10.09	11.80	9.76	13.42	14.65	12.56		
40	1	1	16-QAM	9.66	12.58	10.31	8.93	12.74	10.80	12.32	15.67	13.57	19.47	0.0885
40	1	1	64-QAM	9.70	10.76	10.14	10.60	11.20	10.70	13.18	14.00	13.44		
40	1	1	256-QAM	10.02	7.80	10.46	10.69	8.25	10.72	13.38	11.04	13.60		
Limit	EIRP < 23dBm/10MHz			Result									Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.



FR1 n48

<SISO Mode>

<Ant. 4>

26dB Bandwidth

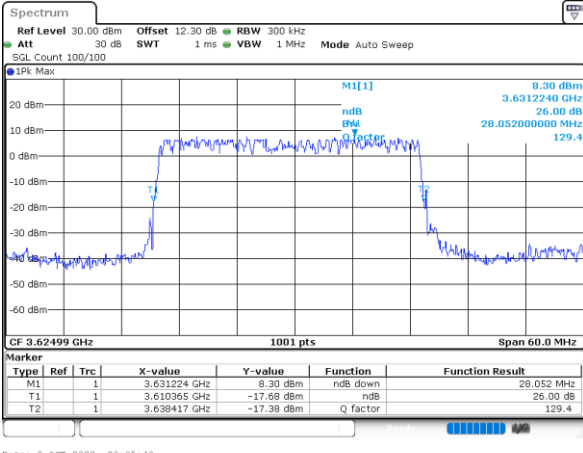
Mode	FR1 n48 : 26dB BW(MHz) / DFT-S OFDM							
BW	30MHz	40MHz						
Mod.	PI/2 BPSK	PI/2 BPSK						
Middle CH	28.05	38.36						

Mode	FR1 n48 : 26dB BW(MHz) / CP OFDM							
BW	30MHz		40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	28.83	28.95	40.44	40.44				
Mod.	64QAM	256QAM	64QAM	256QAM				
Middle CH	29.13	29.191	40.36	40.60				



FR1 n48 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

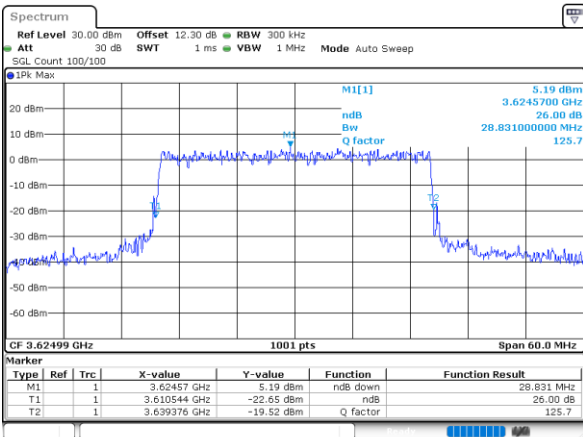
PI/2 BPSK



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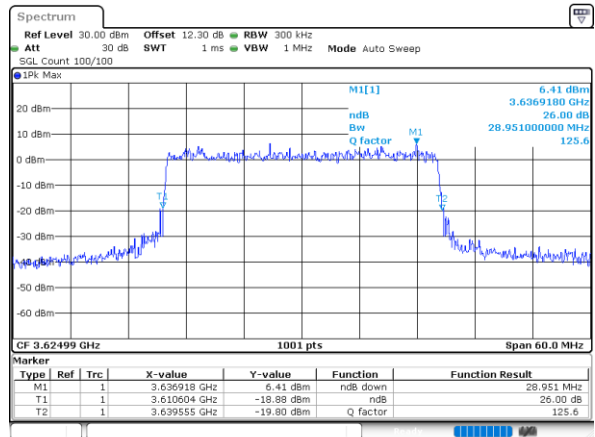
FR1 n48 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



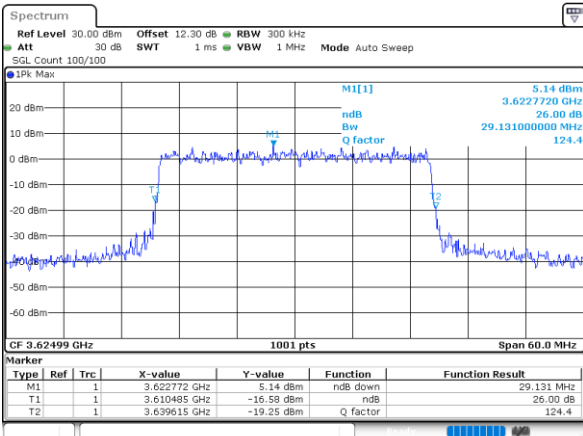
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16QAM



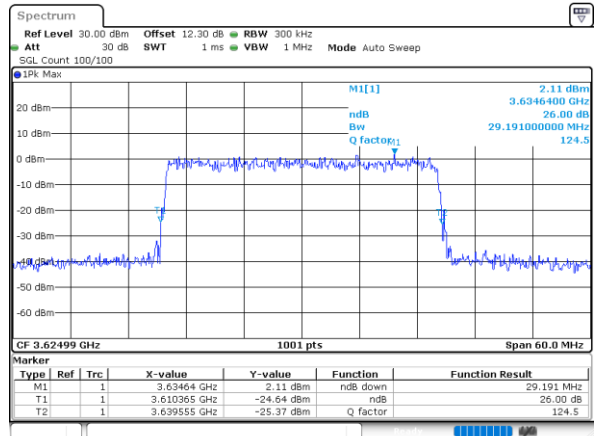
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64QAM



Date: 3.OCT.2022 20:01:52

256QAM

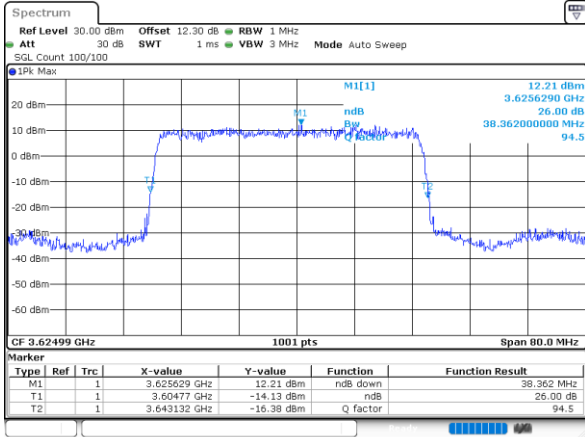


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FR1 n48 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

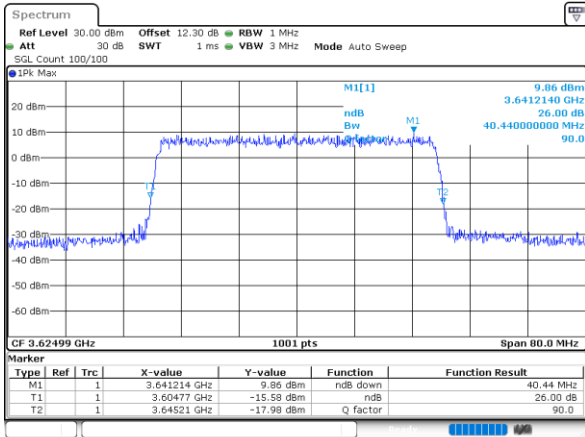
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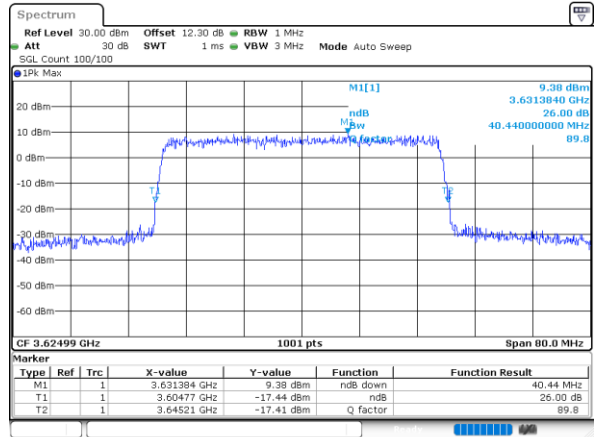
FR1 n48 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



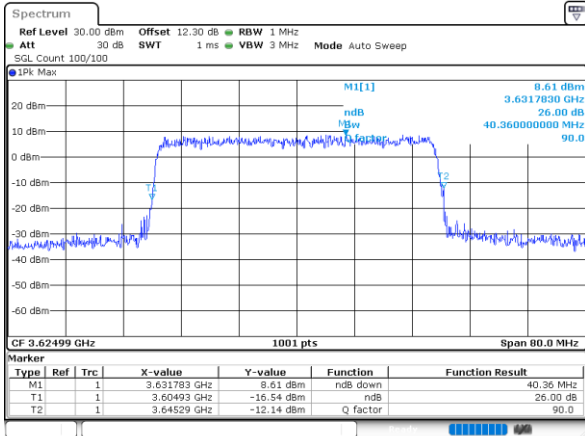
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16QAM



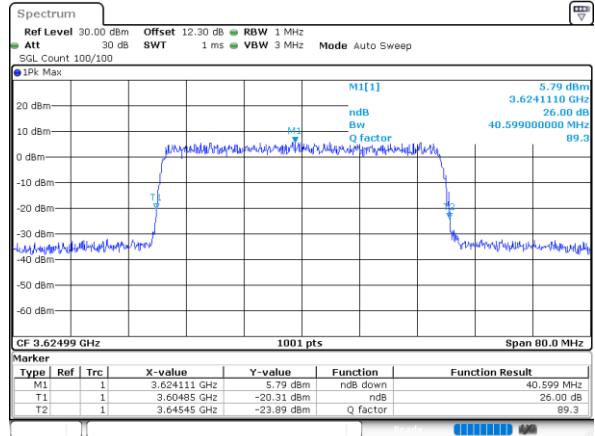
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64QAM



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256QAM



Date: 3.OCT.2022 20:16:22



Occupied Bandwidth

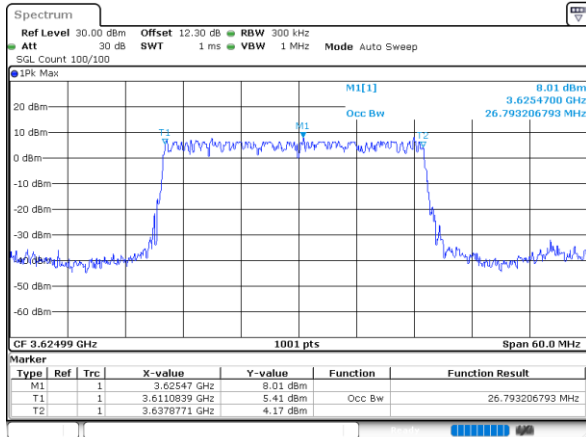
Mode	FR1 n48 : OB BW(MHz) / DFT-S OFDM							
BW	30MHz	40MHz						
Mod.	PI/2 BPSK	PI/2 BPSK						
Middle CH	26.79	35.96						

Mode	FR1 n48 : OB BW(MHz) / CP OFDM							
BW	30MHz		40MHz					
Mod.	QPSK	16PSK	QPSK	16QAM				
Middle CH	27.87	27.87	38.04	37.96				
Mod.	64QAM	256QAM	64QAM	256QAM				
Middle CH	27.75	27.81	37.96	37.88				



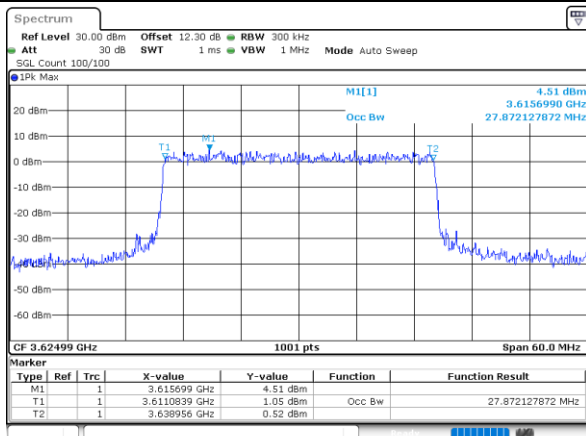
FR1 n48 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

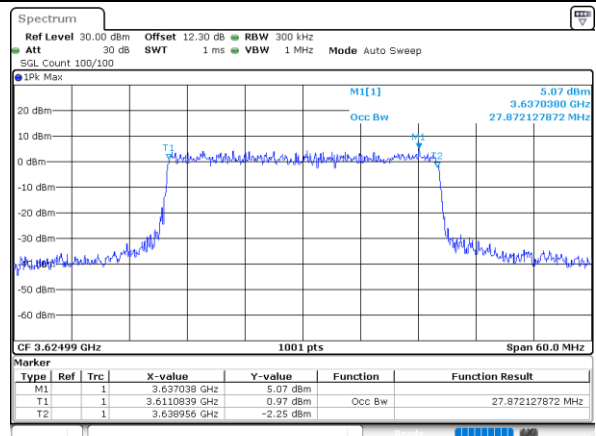


FR1 n48 / 30MHz / CP OFDM / Middle Channel / Full RB

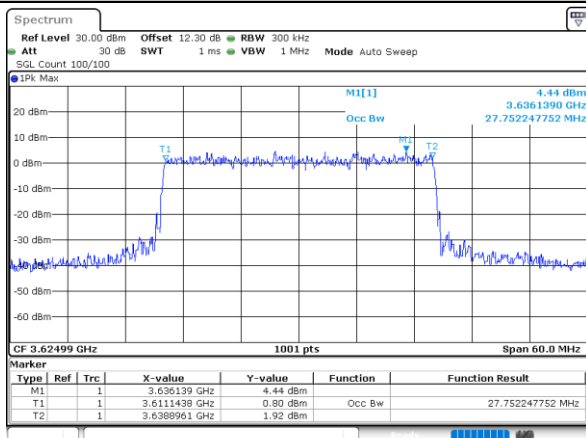
QPSK



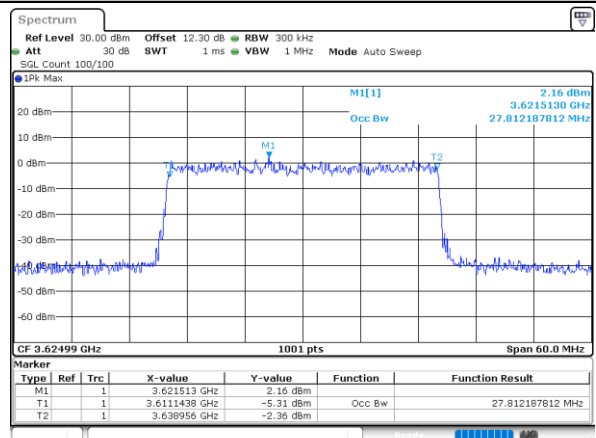
16QAM



64QAM



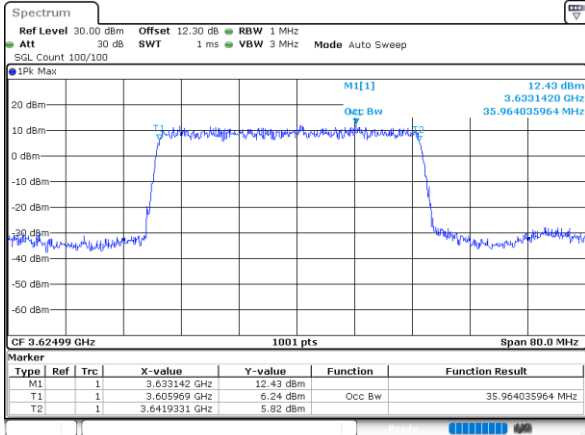
256QAM





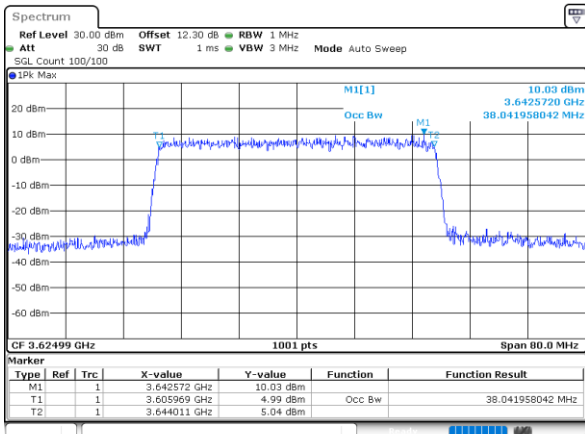
FR1 n48 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

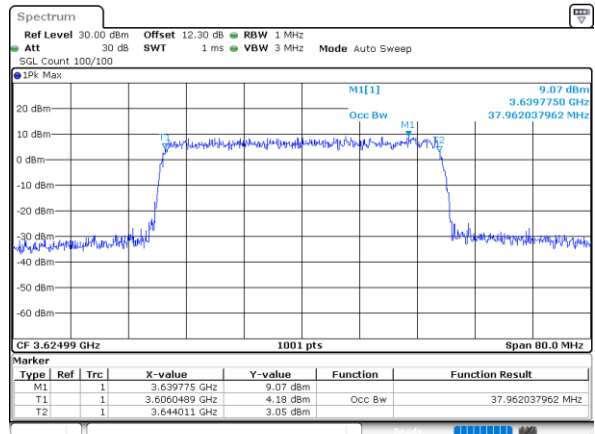


FR1 n48 / 40MHz / CP OFDM / Middle Channel / Full RB

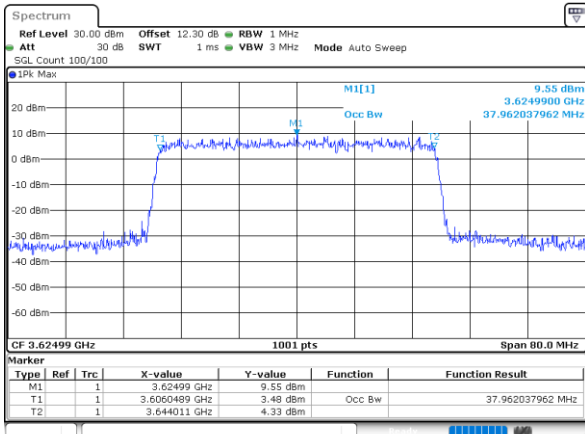
QPSK



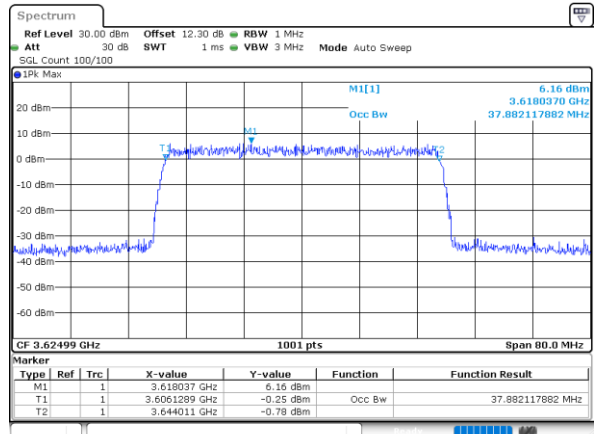
16QAM



64QAM



256QAM





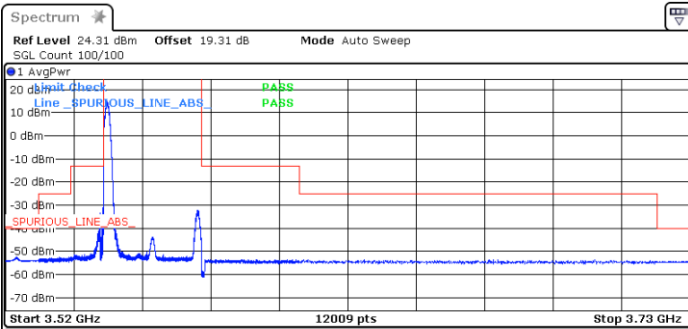
Unwanted Emission (MASK)

FR1 n48 / 30MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

1RB0

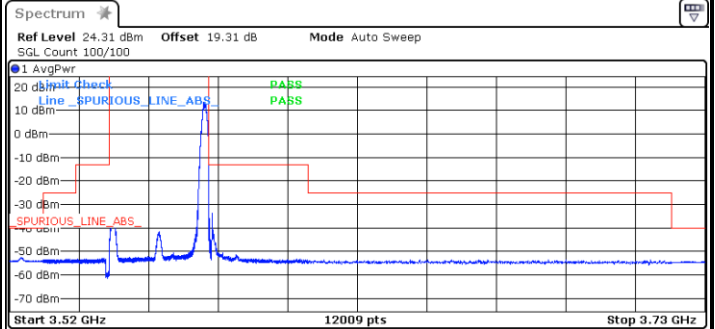
1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.52329 GHz	-52.50 dBm	-12.50 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53937 GHz	-52.49 dBm	-27.49 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54897 GHz	-33.25 dBm	-20.25 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.54998 GHz	-29.59 dBm	-16.59 dB
3.550 GHz	3.580 GHz	1.000 MHz	3.55121 GHz	14.78 dBm	-15.22 dB
3.580 GHz	3.581 GHz	300.000 kHz	3.58019 GHz	-59.45 dBm	-45.45 dB
3.581 GHz	3.610 GHz	1.000 MHz	3.58745 GHz	-53.58 dBm	-40.58 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.61269 GHz	-53.61 dBm	-28.61 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.72779 GHz	-54.39 dBm	-14.39 dB

Date: 3.OCT.2022 10:31:45

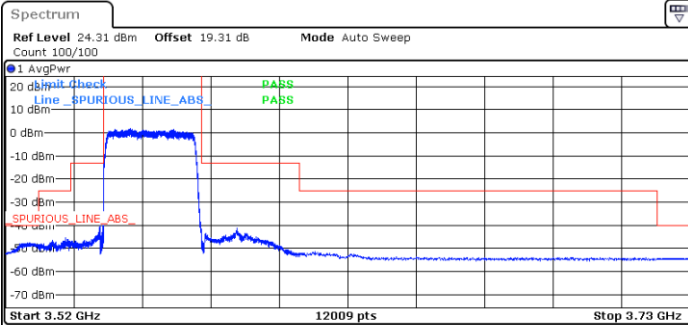


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.52357 GHz	-52.44 dBm	-12.44 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53706 GHz	-53.21 dBm	-28.21 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54839 GHz	-52.83 dBm	-39.83 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.54980 GHz	-58.28 dBm	-45.28 dB
3.550 GHz	3.580 GHz	1.000 MHz	3.57856 GHz	13.58 dBm	-16.42 dB
3.580 GHz	3.581 GHz	300.000 kHz	3.58001 GHz	-28.99 dBm	-15.99 dB
3.581 GHz	3.610 GHz	1.000 MHz	3.58107 GHz	-33.64 dBm	-20.64 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.68269 GHz	-53.55 dBm	-28.55 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.72623 GHz	-54.42 dBm	-14.42 dB

Date: 3.OCT.2022 10:43:44

Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.52734 GHz	-47.66 dBm	-7.66 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53822 GHz	-45.40 dBm	-20.40 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54892 GHz	-40.15 dBm	-27.15 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.54997 GHz	-37.20 dBm	-24.20 dB
3.550 GHz	3.580 GHz	1.000 MHz	3.55833 GHz	1.74 dBm	-28.26 dB
3.580 GHz	3.581 GHz	300.000 kHz	3.58005 GHz	-46.65 dBm	-33.65 dB
3.581 GHz	3.610 GHz	1.000 MHz	3.59104 GHz	-41.14 dBm	-28.14 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.61500 GHz	-51.45 dBm	-26.45 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.72577 GHz	-54.45 dBm	-14.45 dB

Date: 30.SEP.2022 20:32:45

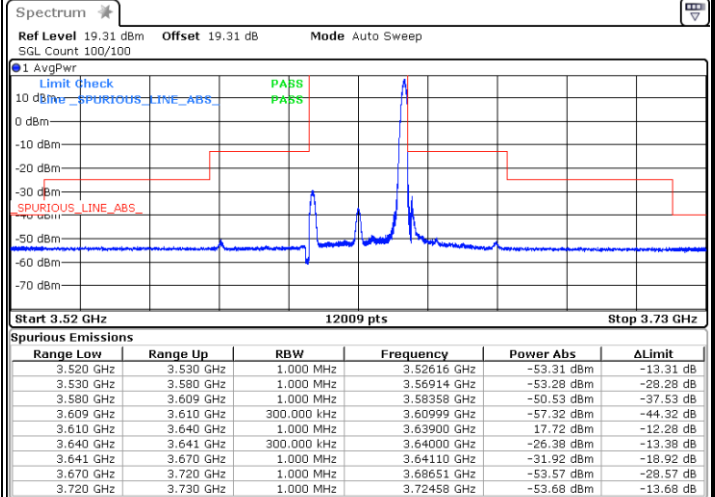
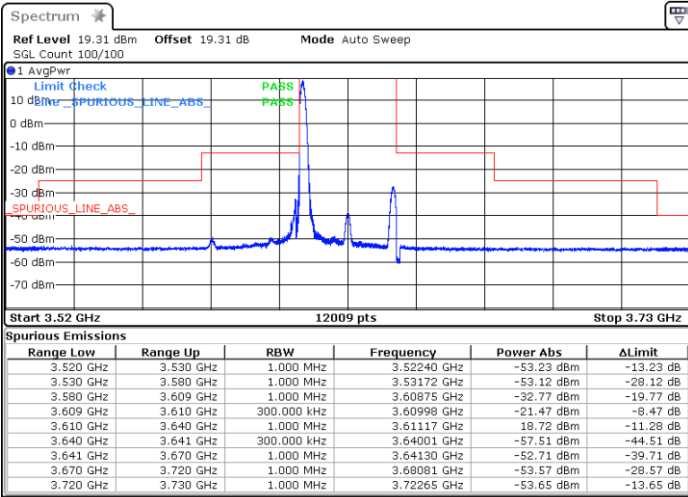


FR1 n48 / 30MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

1RB0

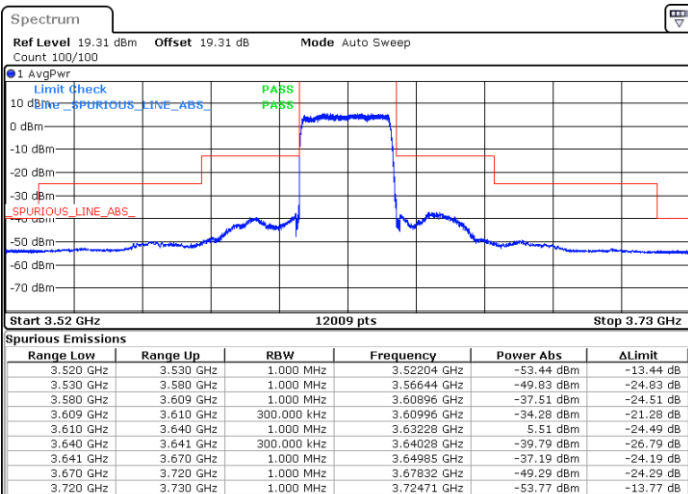
1RBmax



Date: 3.OCT.2022 10:36:13

Date: 3.OCT.2022 10:47:51

Full RB



Date: 30.SEP.2022 20:31:38

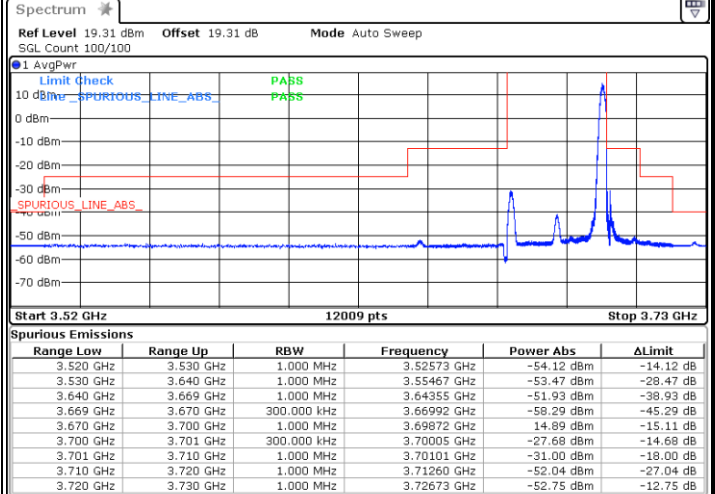
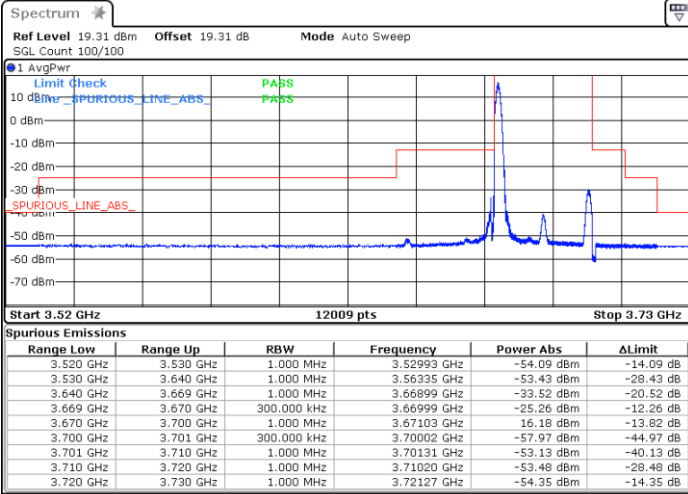


FR1 n48 / 30MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

1RB0

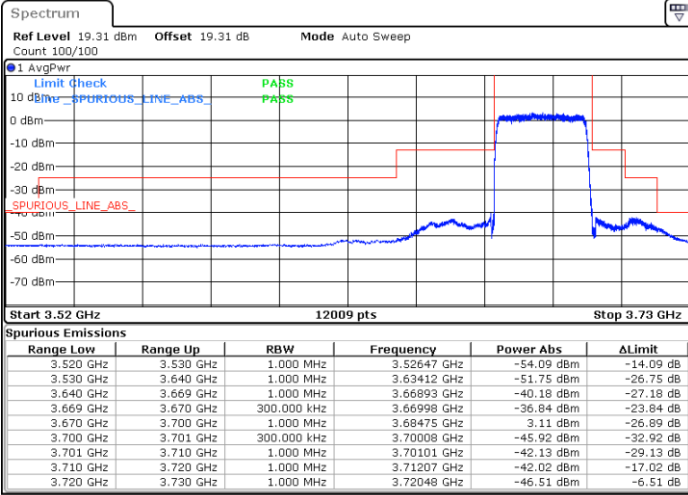
1RBmax



Date: 3.OCT.2022 10:39:28

Date: 3.OCT.2022 10:52:11

Full RB



Date: 30.SEP.2022 20:26:20

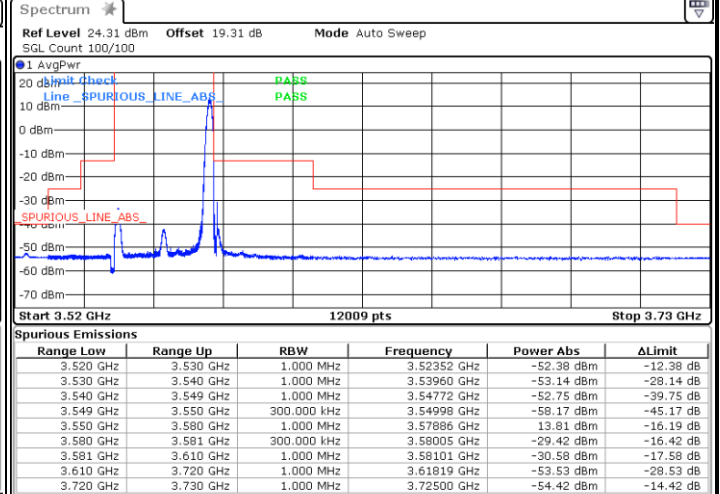
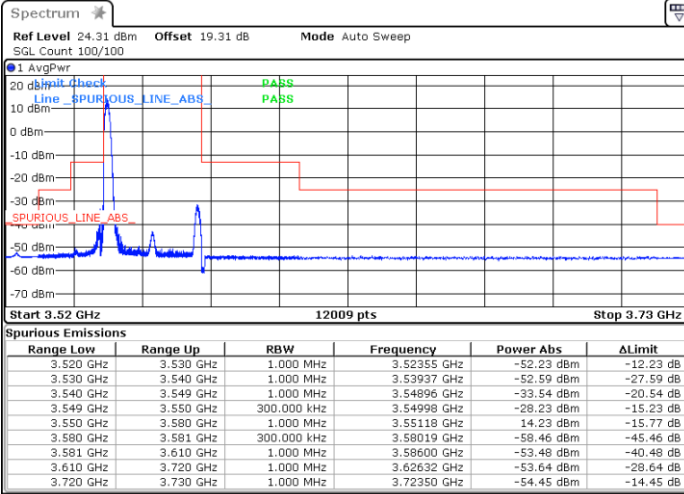


FR1 n48 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel

1RB0

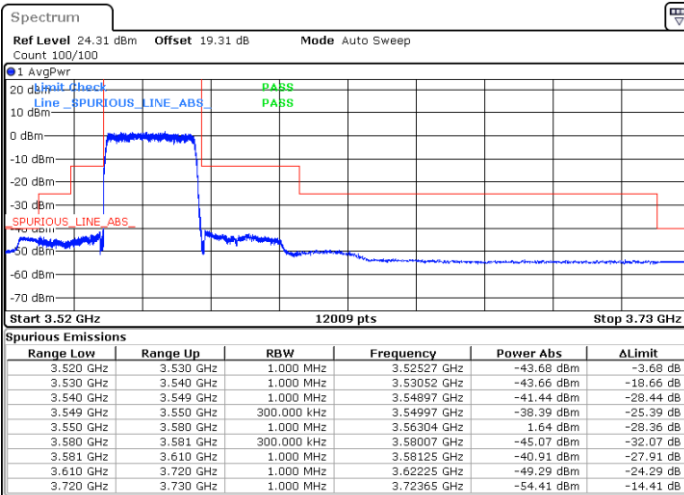
1RBmax



Date: 3.OCT.2022 10:32:35

Date: 3.OCT.2022 10:44:23

Full RB



Date: 30.SEP.2022 20:33:35

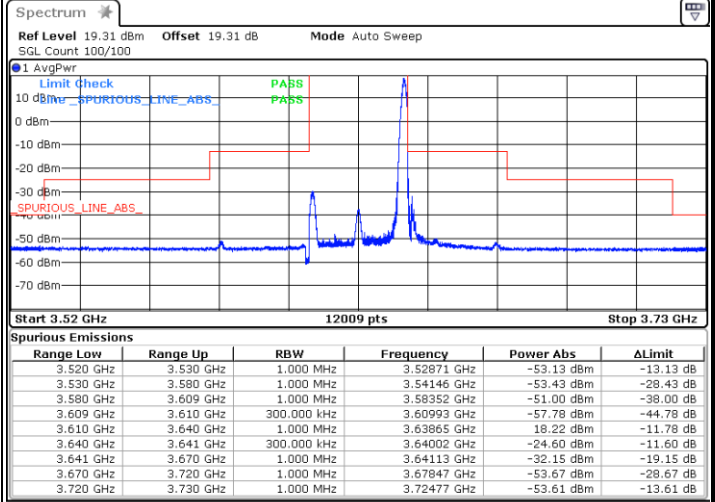
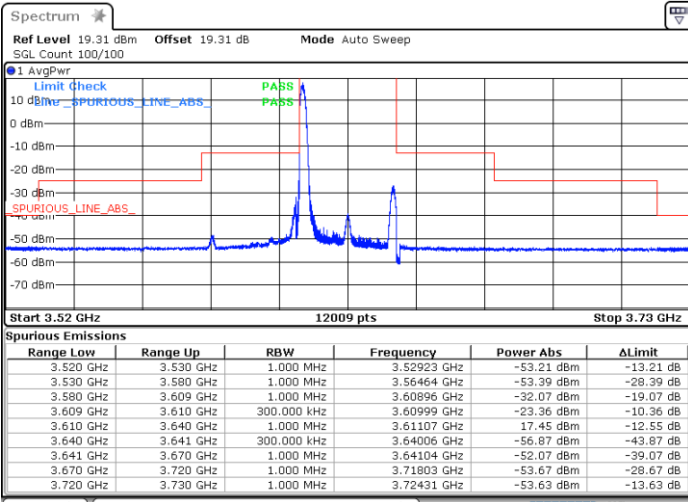


FR1 n48 / 30MHz / DFT-S OFDM / QPSK

Middle Channel

1RB0

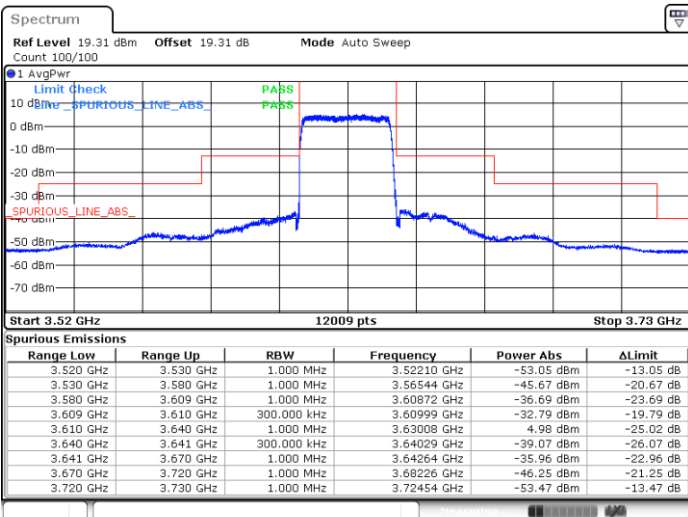
1RBmax



Date: 3.OCT.2022 10:36:36

Date: 3.OCT.2022 10:51:15

Full RB



Date: 30.SEP.2022 20:30:51

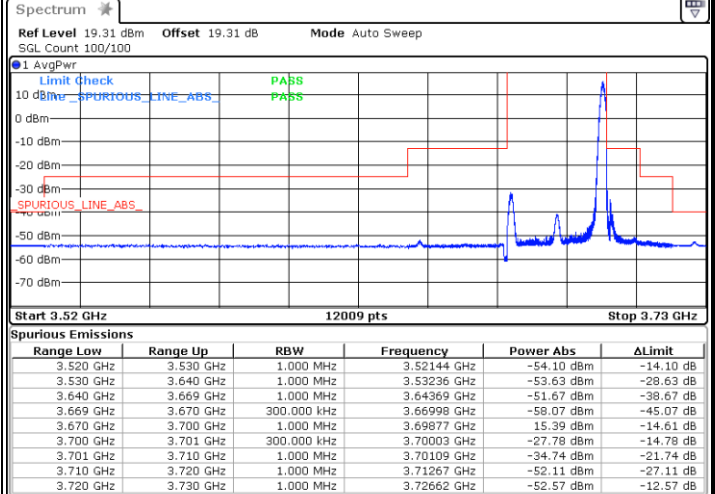
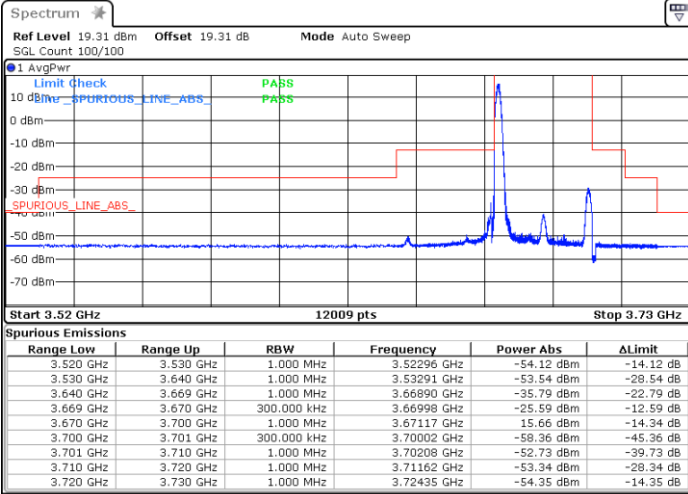


FR1 n48 / 30MHz / DFT-S OFDM / QPSK

Highest Channel

1RB0

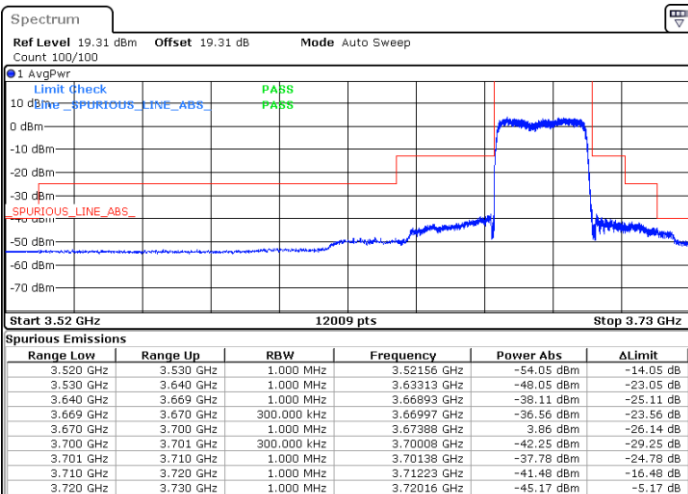
1RBmax



Date: 3.OCT.2022 10:39:57

Date: 3.OCT.2022 10:52:43

Full RB



Date: 30.SEP.2022 20:26:45

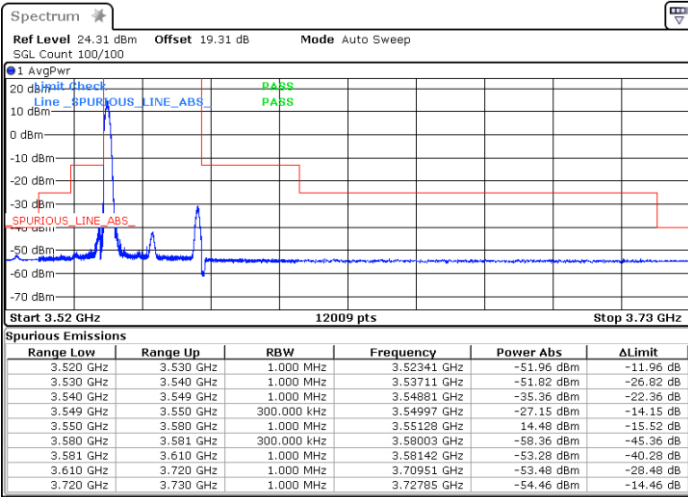


FR1 n48 / 30MHz / DFT-S OFDM / 16QAM

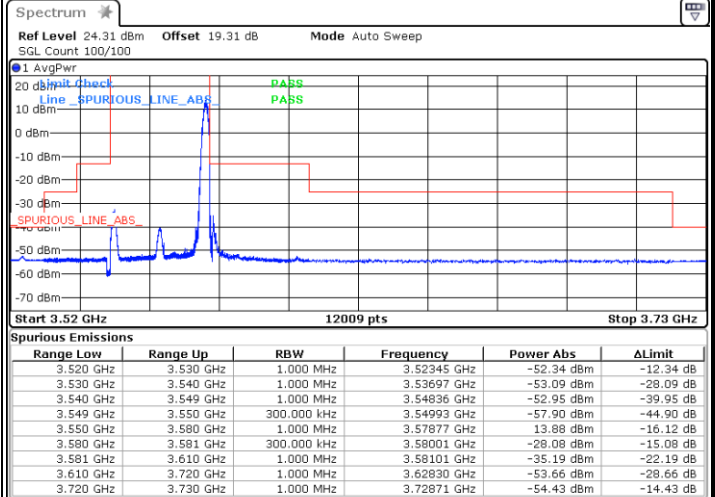
Lowest Channel

1RB0

1RBmax

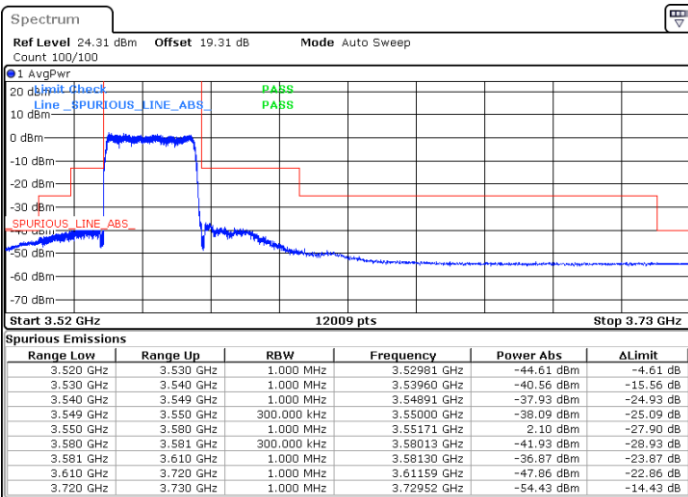


Date: 3.OCT.2022 10:33:06



Date: 3.OCT.2022 10:44:57

Full RB



Date: 30.SEP.2022 20:34:15

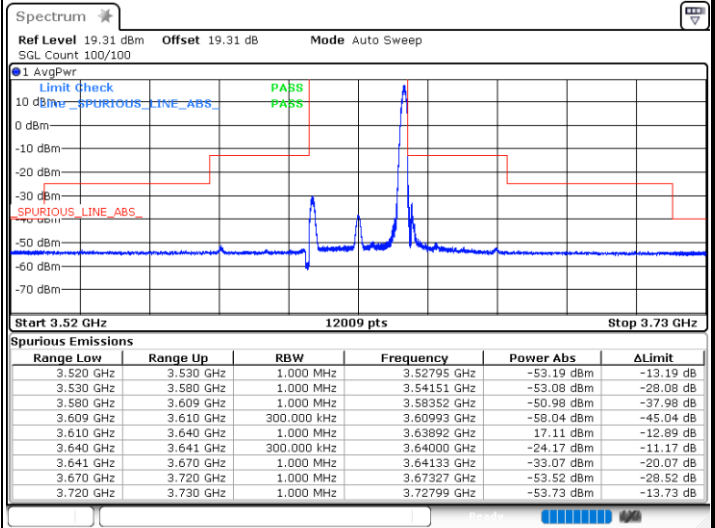
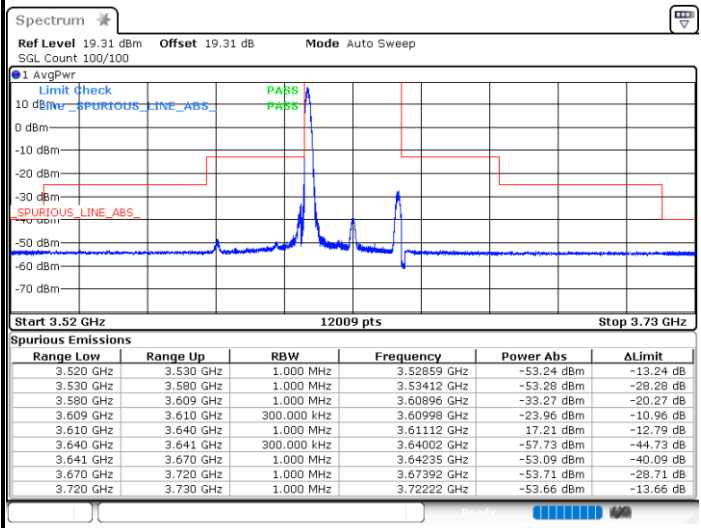


FR1 n48 / 30MHz / DFT-S OFDM / 16QAM

Middle Channel

1RB0

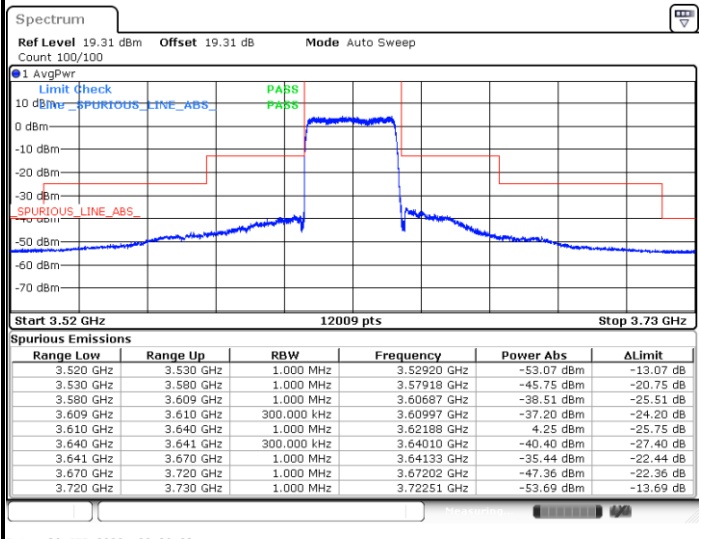
1RBmax



Date: 3.OCT.2022 10:37:01

Date: 3.OCT.2022 10:48:17

Full RB



Date: 30.SEP.2022 20:30:23

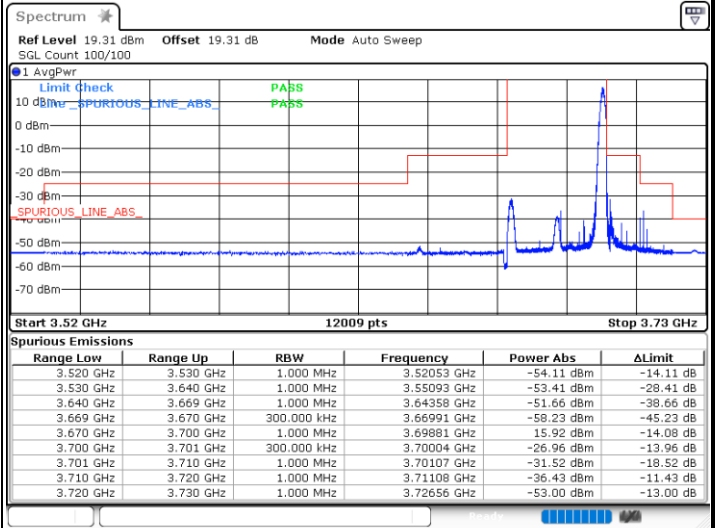
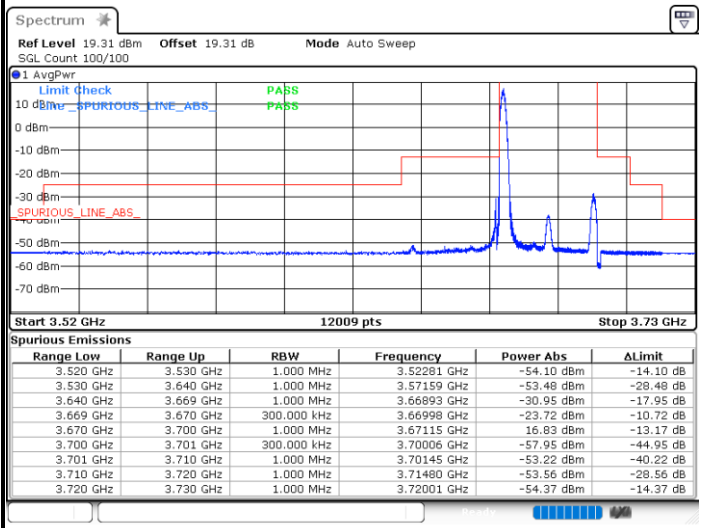


FR1 n48 / 30MHz / DFT-S OFDM / 16QAM

Highest Channel

1RB0

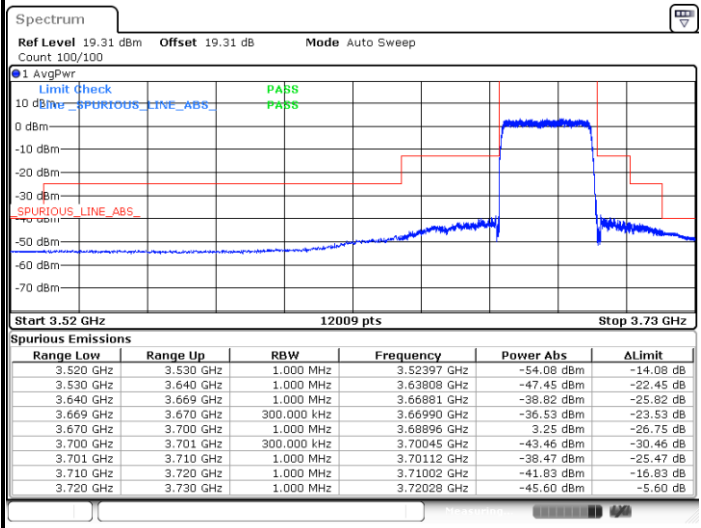
1RBmax



Date: 3.OCT.2022 10:40:34

Date: 3.OCT.2022 10:53:14

Full RB



Date: 30.SEP.2022 20:27:18

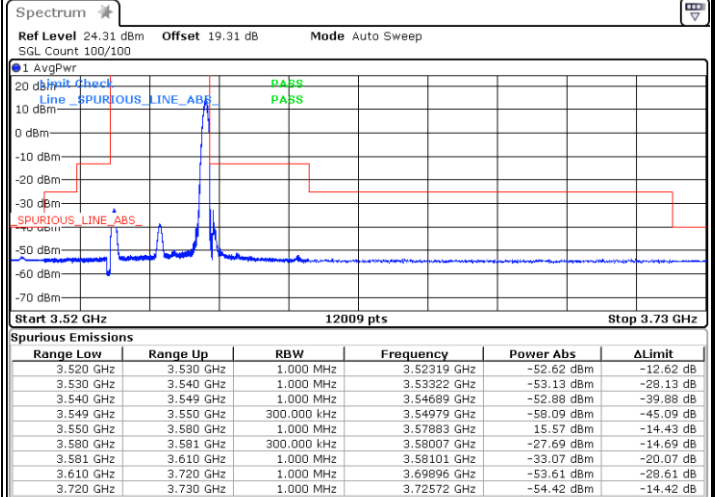
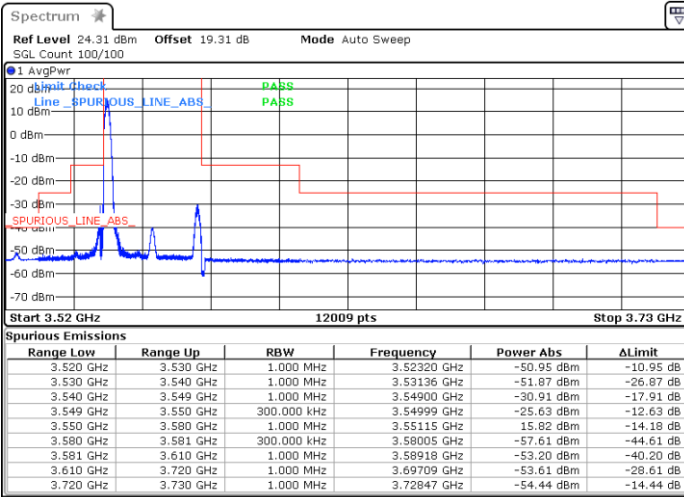


FR1 n48 / 30MHz / DFT-S OFDM / 64QAM

Lowest Channel

1RB0

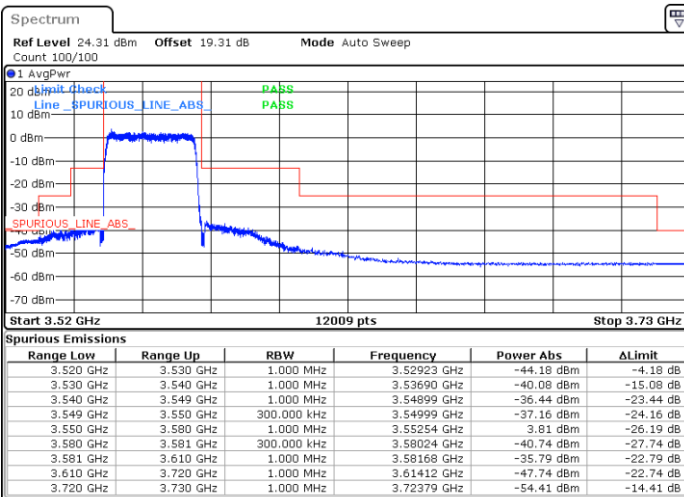
1RBmax



Date: 3.OCT.2022 10:33:49

Date: 3.OCT.2022 10:45:29

Full RB



Date: 30.SEP.2022 20:34:43

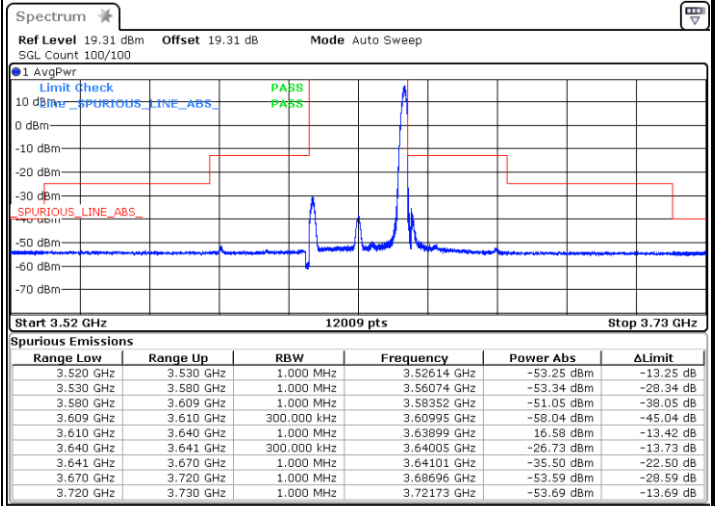
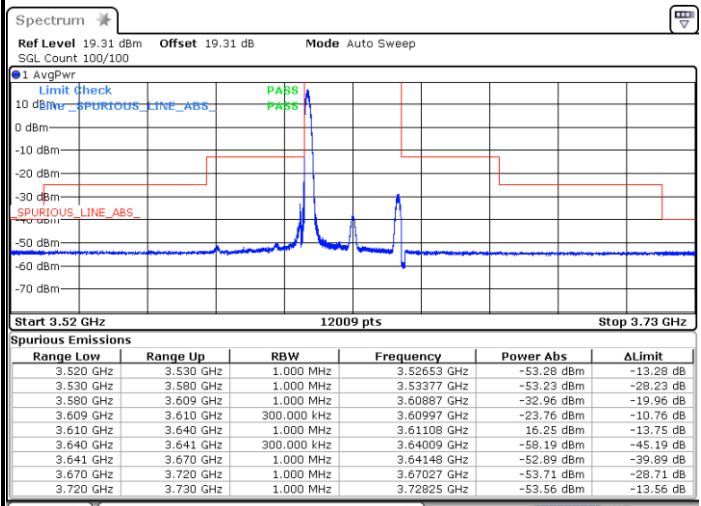


FR1 n48 / 30MHz / DFT-S OFDM / 64QAM

Middle Channel

1RB0

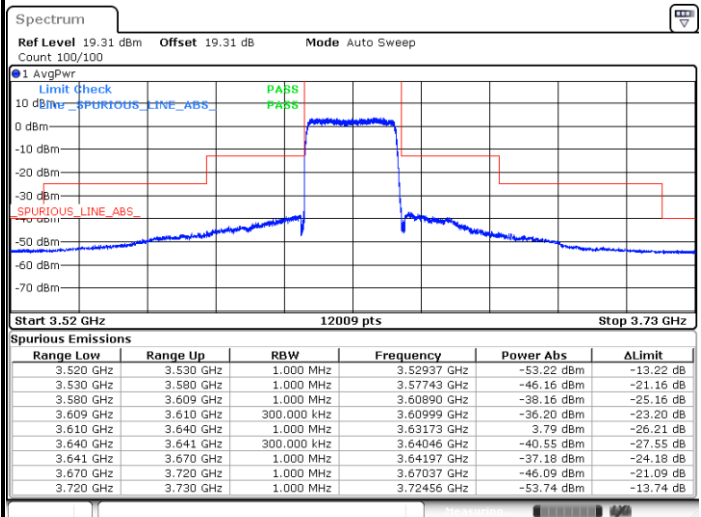
1RBmax



Date: 3.OCT.2022 10:37:25

Date: 3.OCT.2022 10:48:49

Full RB



Date: 30.SEP.2022 20:29:58

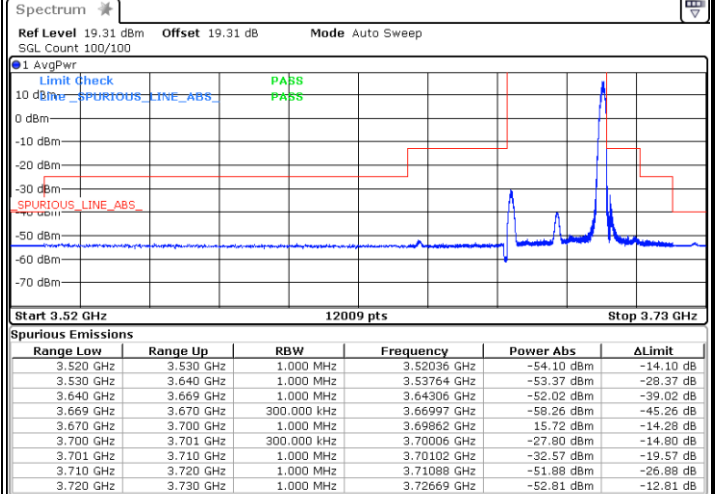
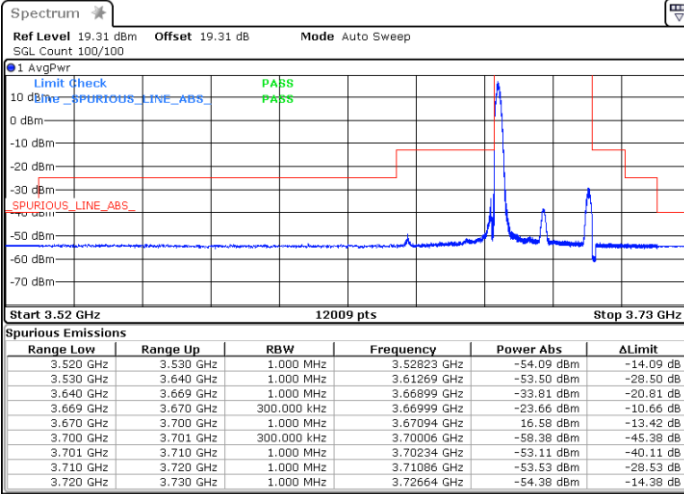


FR1 n48 / 30MHz / DFT-S OFDM / 64QAM

Highest Channel

1RB0

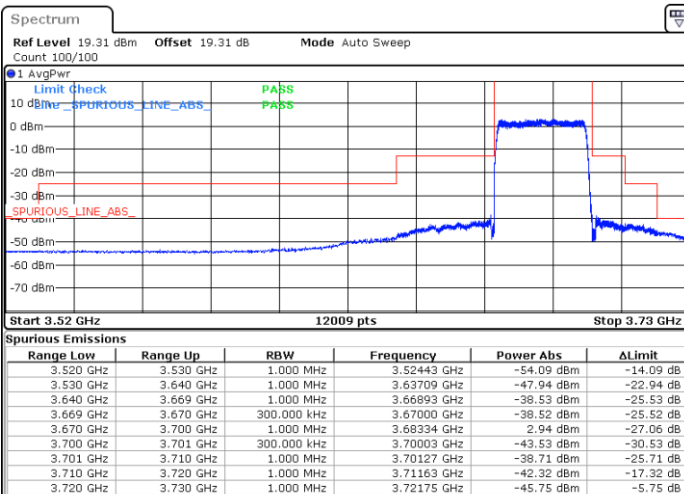
1RBmax



Date: 3.OCT.2022 10:41:09

Date: 3.OCT.2022 10:53:43

Full RB



Date: 30.SEP.2022 20:27:54

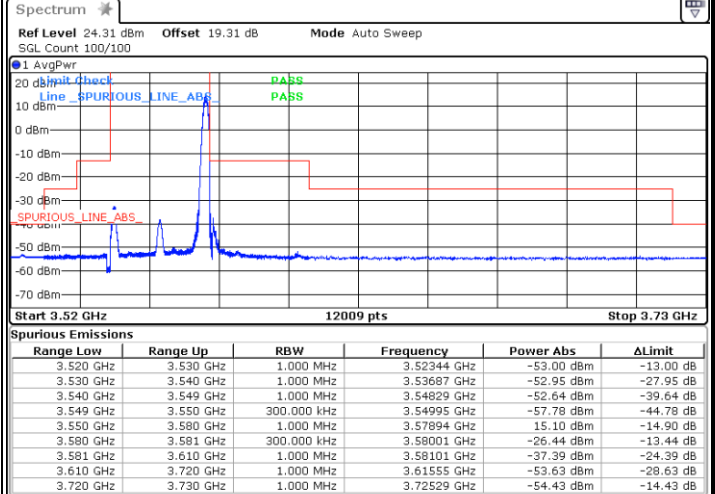
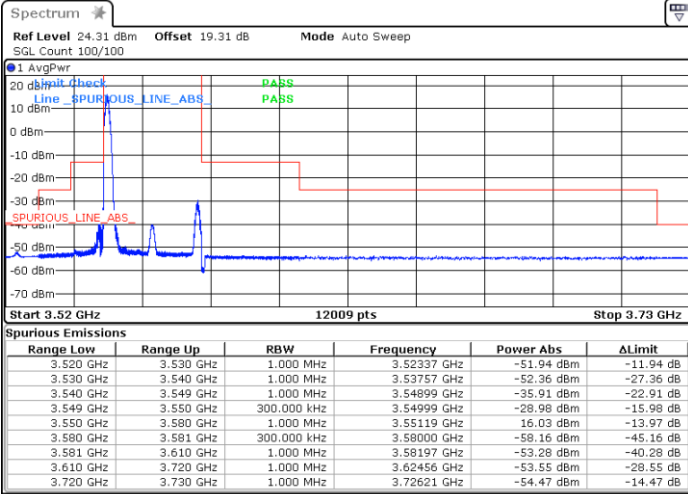


FR1 n48 / 30MHz / DFT-S OFDM / 256QAM

Lowest Channel

1RB0

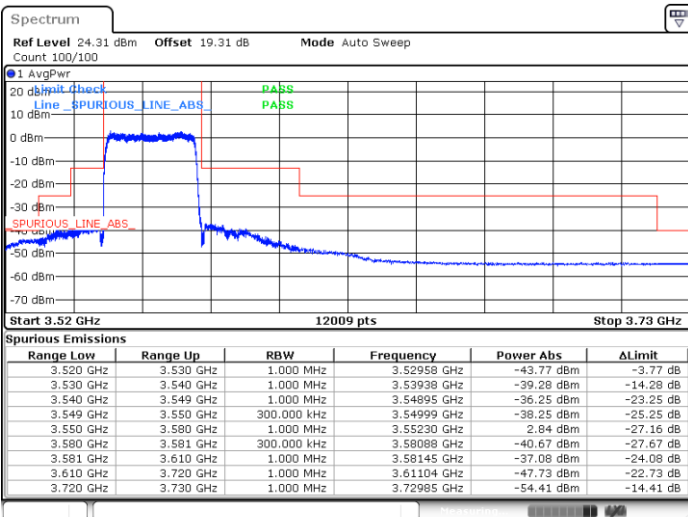
1RBmax



Date: 3.OCT.2022 10:34:44

Date: 3.OCT.2022 10:46:10

Full RB



Date: 30.SEP.2022 20:35:17

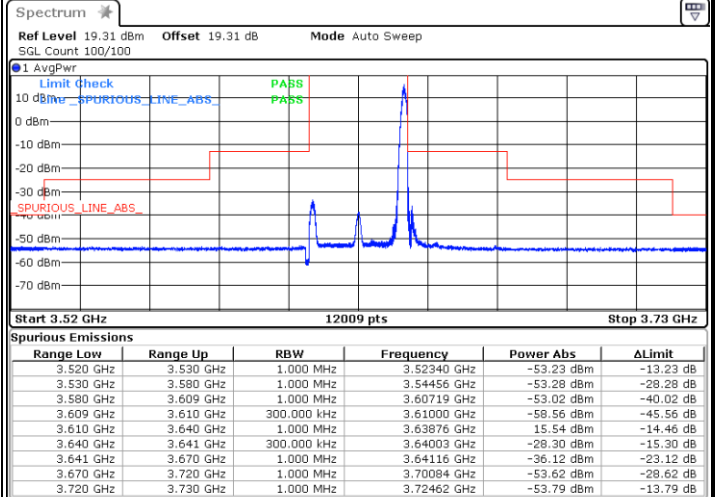
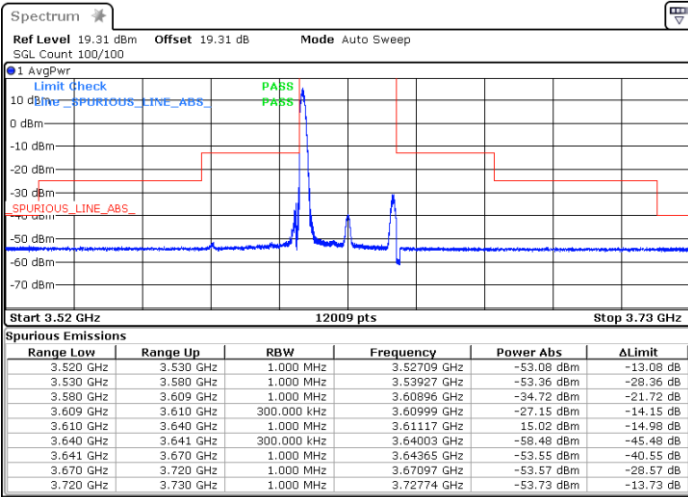


FR1 n48 / 30MHz / DFT-S OFDM / 256QAM

Middle Channel

1RB0

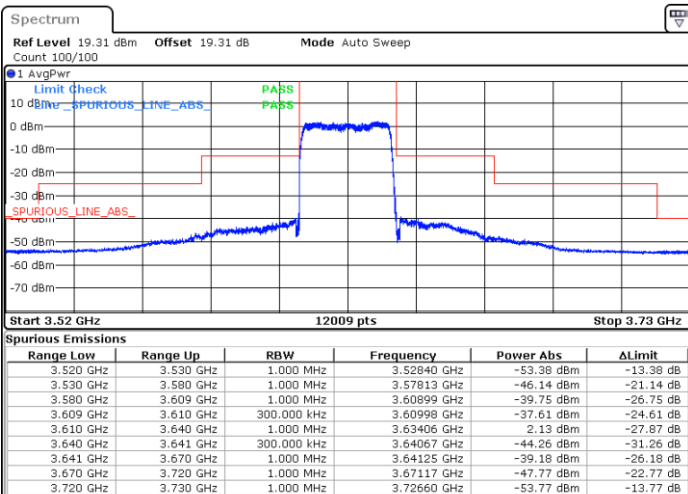
1RBmax



Date: 3.OCT.2022 10:38:13

Date: 3.OCT.2022 10:49:35

Full RB



Date: 30.SEP.2022 20:29:28

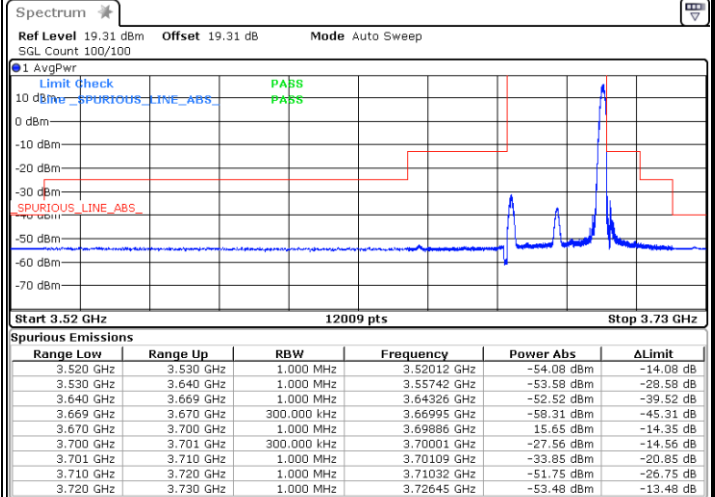
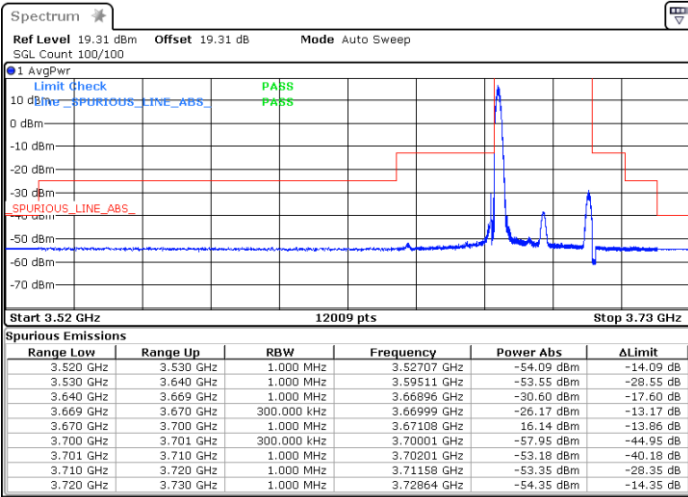


FR1 n48 / 30MHz / DFT-S OFDM / 256QAM

Highest Channel

1RB0

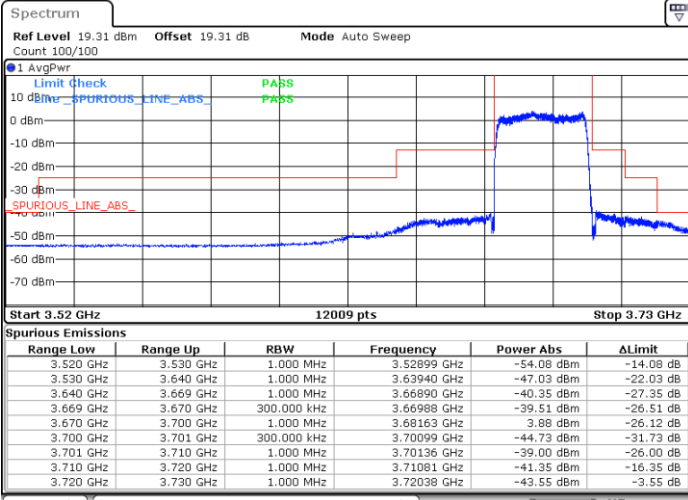
1RBmax



Date: 3.OCT.2022 10:41:54

Date: 3.OCT.2022 10:54:30

Full RB



Date: 30.SEP.2022 20:28:33

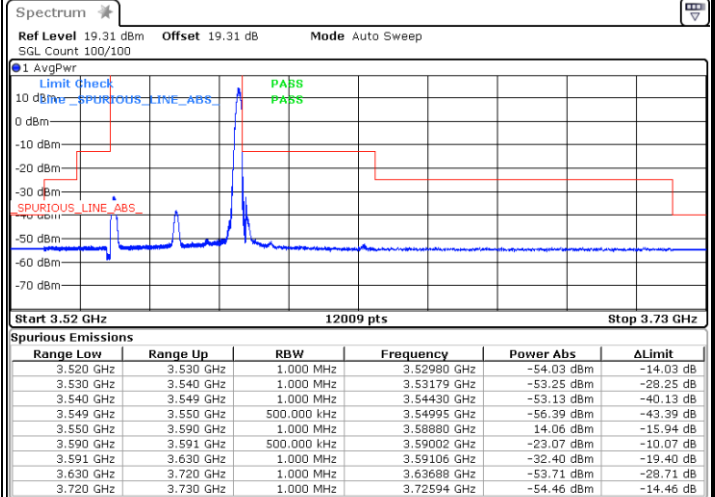
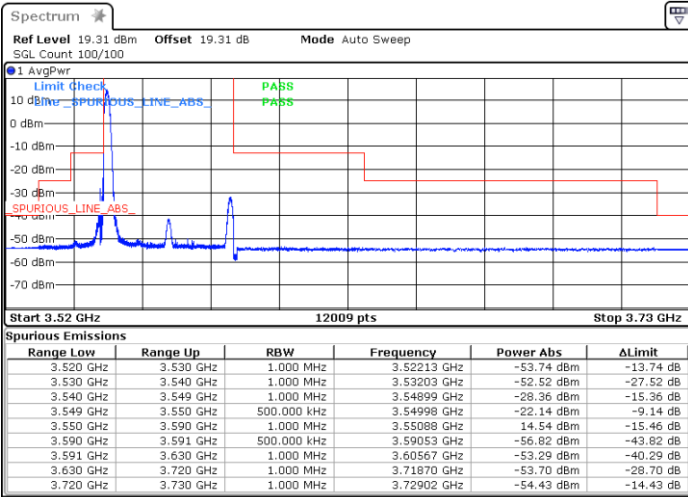


FR1 n48 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

1RB0

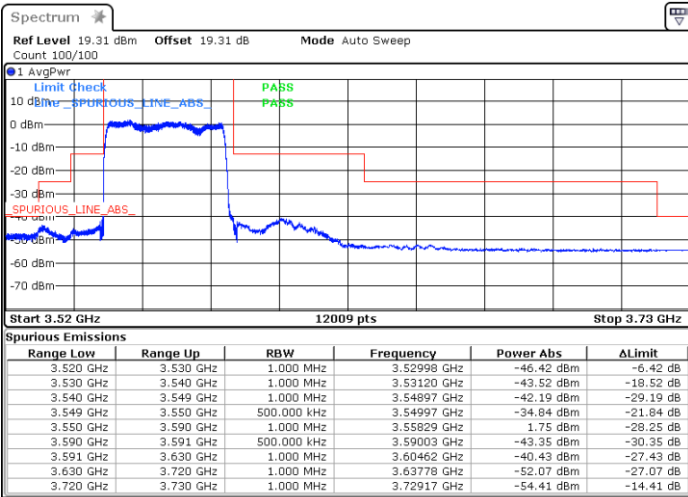
1RBmax



Date: 3.OCT.2022 10:21:02

Date: 3.OCT.2022 10:56:15

Full RB



Date: 30.SEP.2022 16:27:26

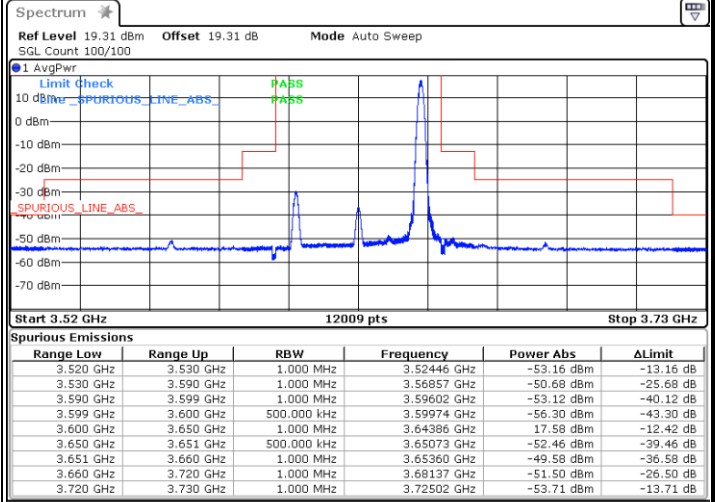
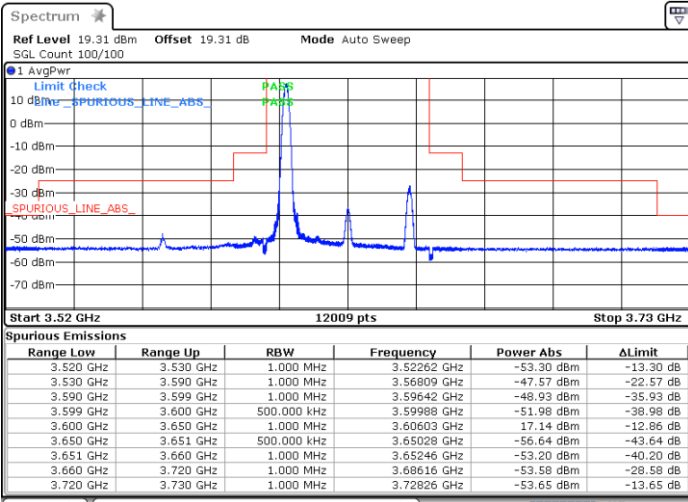


FR1 n48 / 40MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

1RB0

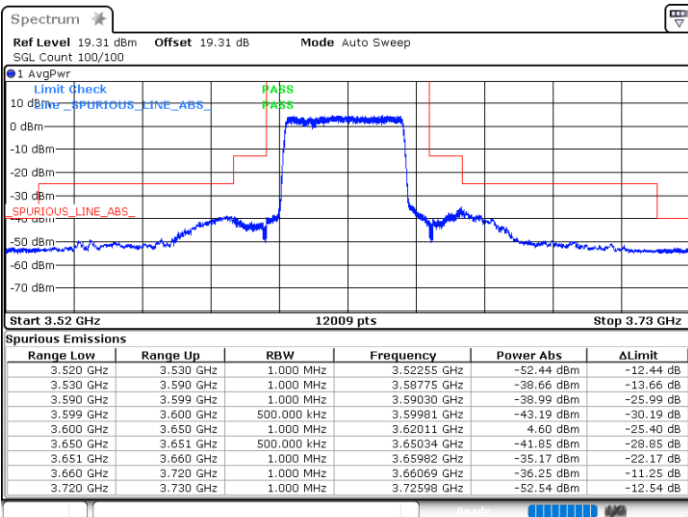
1RBmax



Date: 3.OCT.2022 10:24:21

Date: 3.OCT.2022 10:59:22

Full RB



Date: 30.SEP.2022 16:32:31

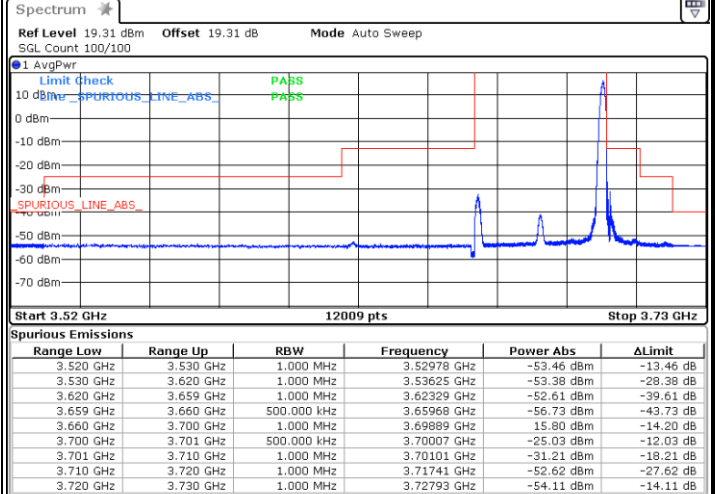
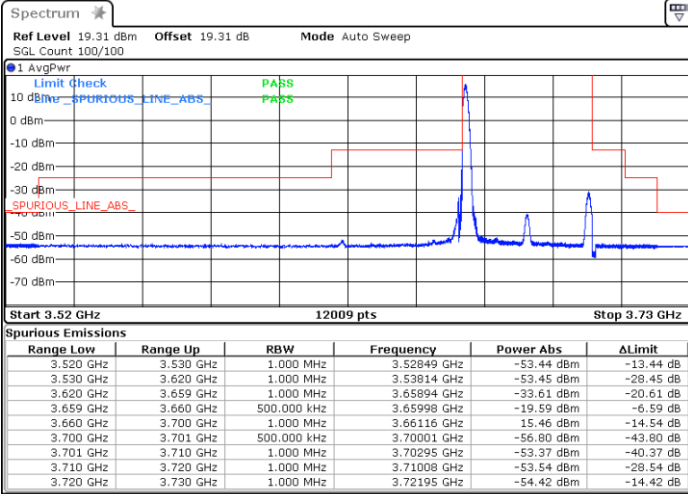


FR1 n48 / 40MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

1RB0

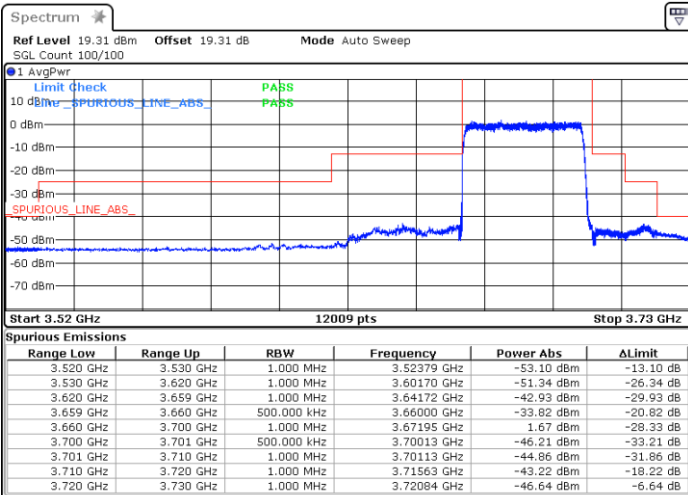
1RBmax



Date: 3.OCT.2022 10:27:24

Date: 3.OCT.2022 11:02:16

Full RB



Date: 30.SEP.2022 16:36:30

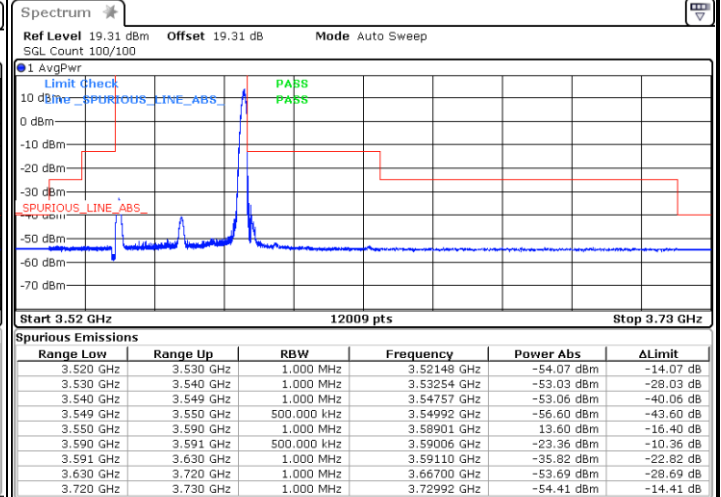
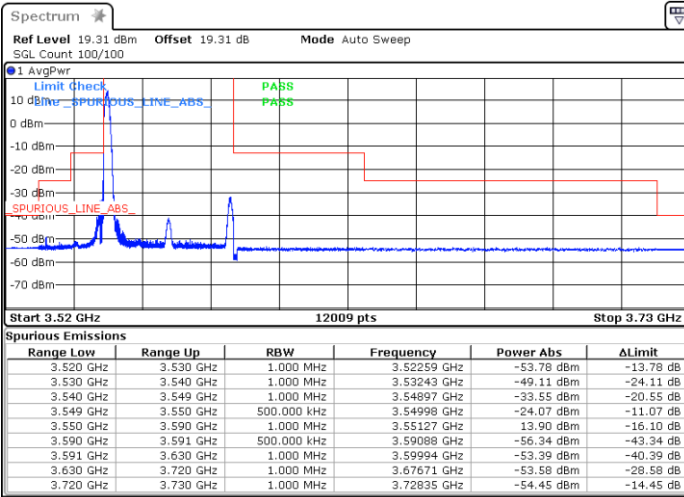


FR1 n48 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel

1RB0

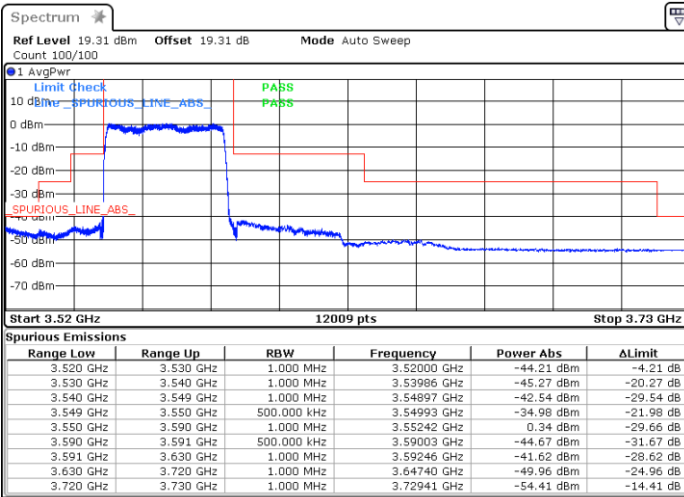
1RBmax



Date: 3.OCT.2022 10:21:42

Date: 3.OCT.2022 10:56:41

Full RB



Date: 30.SEP.2022 16:28:03

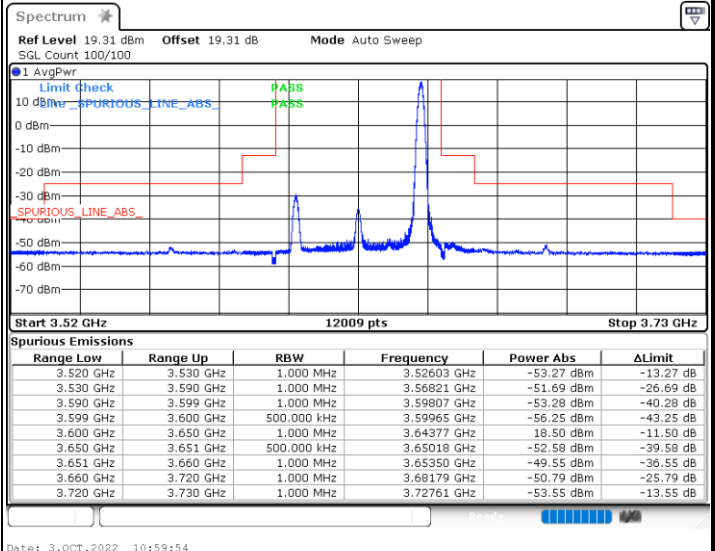
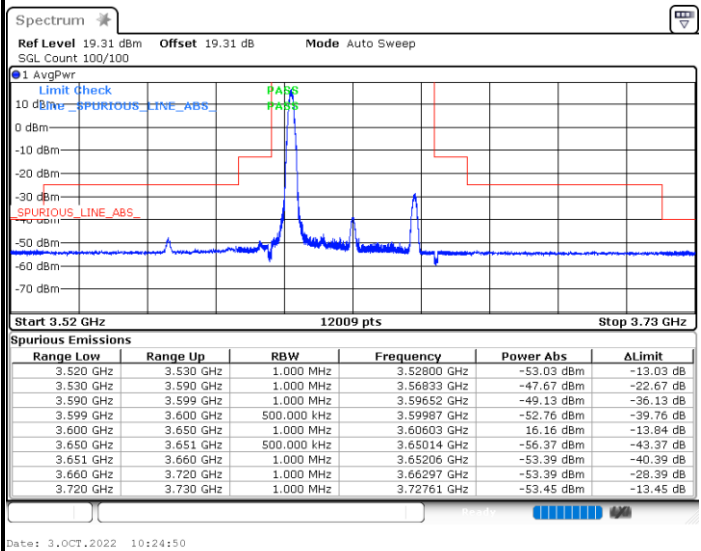


FR1 n48 / 40MHz / DFT-S OFDM / QPSK

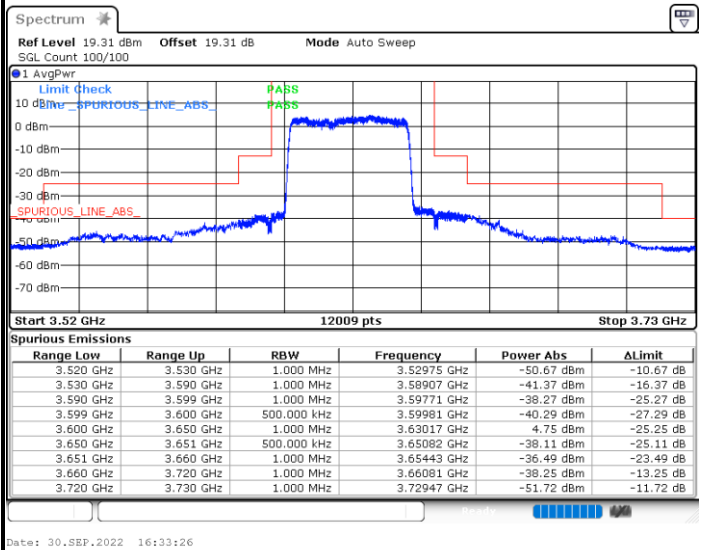
Middle Channel

1RB0

1RBmax



Full RB



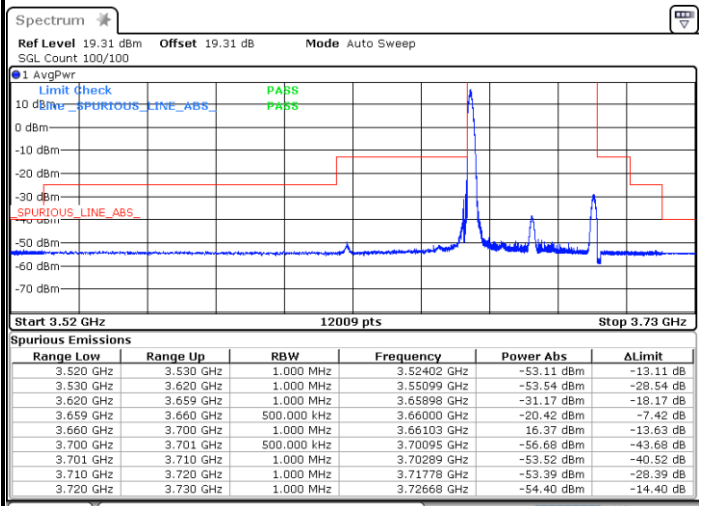


FR1 n48 / 40MHz / DFT-S OFDM / QPSK

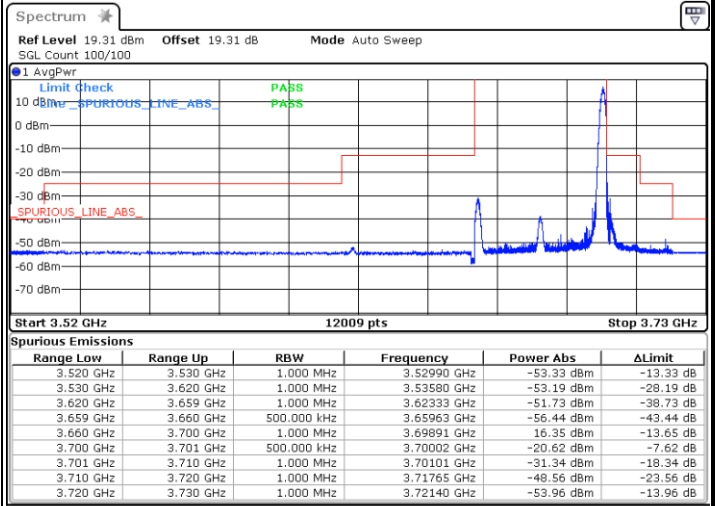
Highest Channel

1RB0

1RBmax

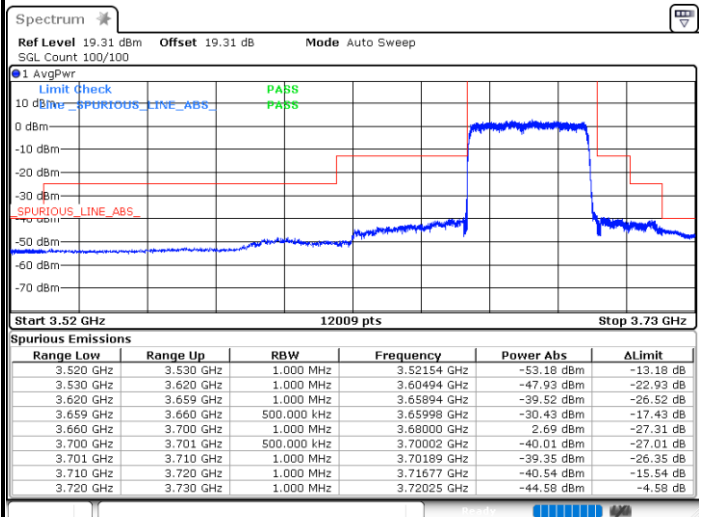


Date: 3.OCT.2022 10:27:57



Date: 3.OCT.2022 11:02:42

Full RB



Date: 30.SEP.2022 16:37:07