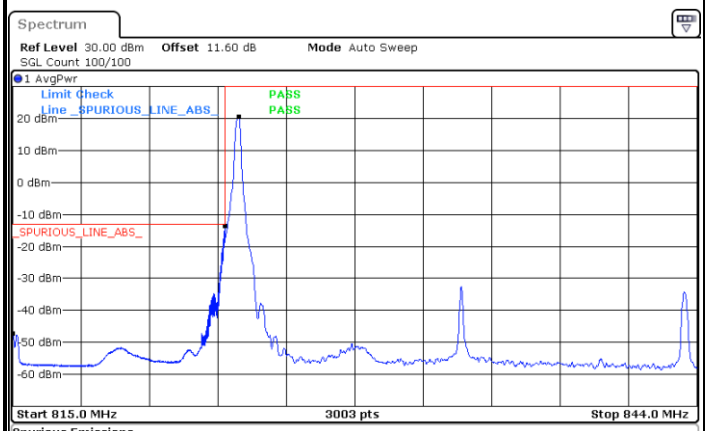
FR1 n5 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

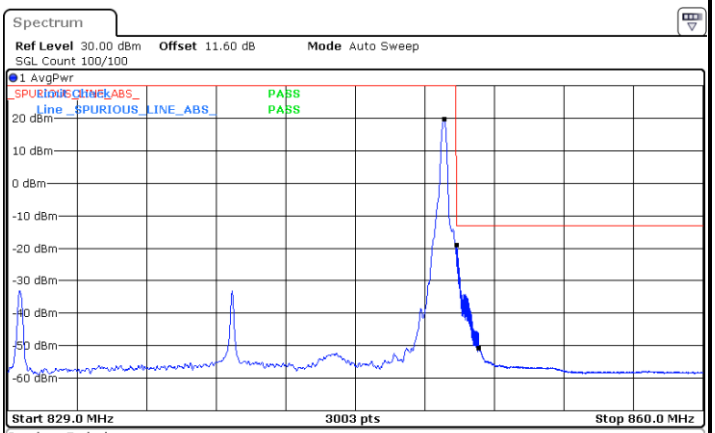


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	815.00400 MHz	-47.32 dBm	-34.32 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.99251 MHz	-13.65 dBm	-0.65 dB
824.000 MHz	844.000 MHz	100.000 kHz	824.56943 MHz	20.48 dBm	-9.52 dB

Date: 16.OCT.2020 11:27:19

Highest Band Edge / 1RBmax

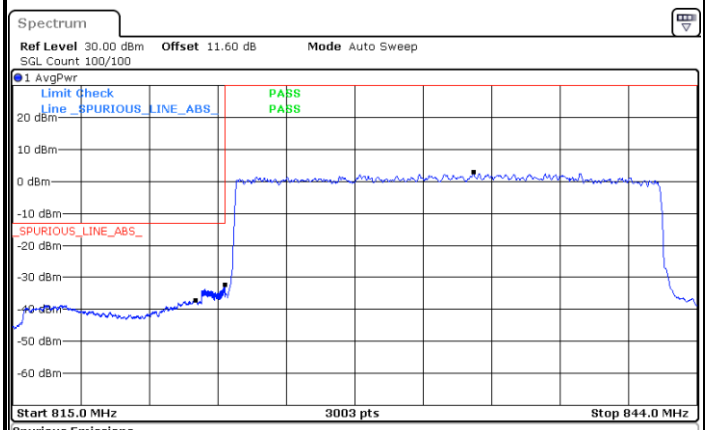


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	848.47053 MHz	19.60 dBm	-10.40 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.02148 MHz	-19.10 dBm	-6.10 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-50.85 dBm	-37.85 dB

Date: 16.OCT.2020 13:36:23

Lowest Band Edge / Full RB

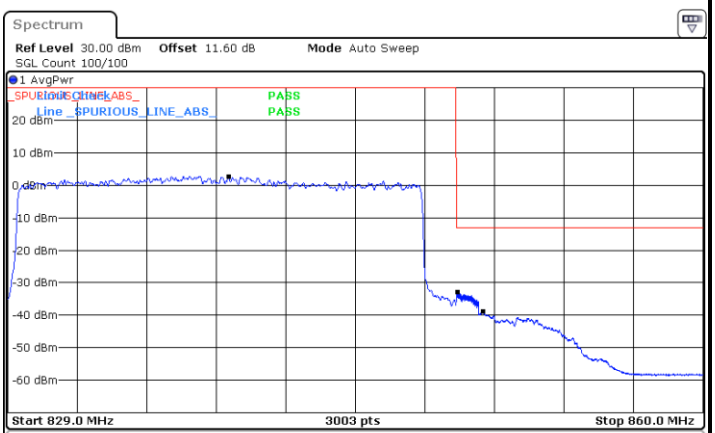


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.76424 MHz	-37.16 dBm	-24.16 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.99950 MHz	-32.39 dBm	-19.39 dB
824.000 MHz	844.000 MHz	100.000 kHz	834.53946 MHz	2.98 dBm	-27.02 dB

Date: 16.OCT.2020 11:32:50

Highest Band Edge / Full RB



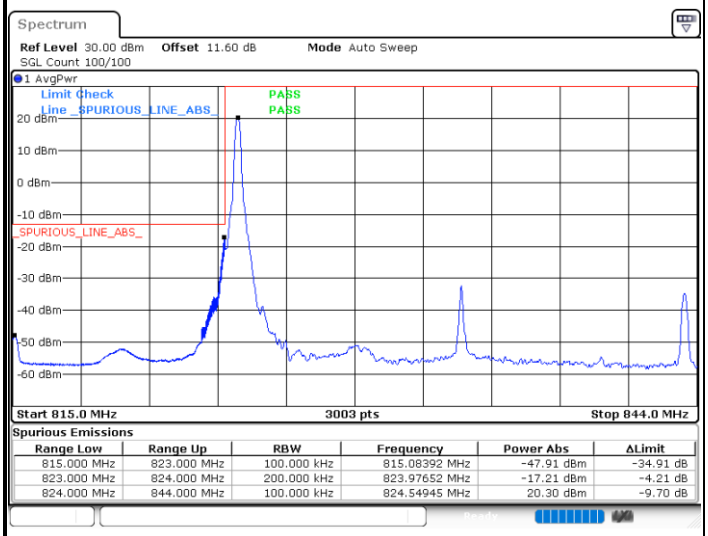
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	838.84016 MHz	2.73 dBm	-27.27 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.04446 MHz	-32.74 dBm	-19.74 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.19481 MHz	-38.89 dBm	-25.89 dB

Date: 16.OCT.2020 11:48:51

FR1 n5 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

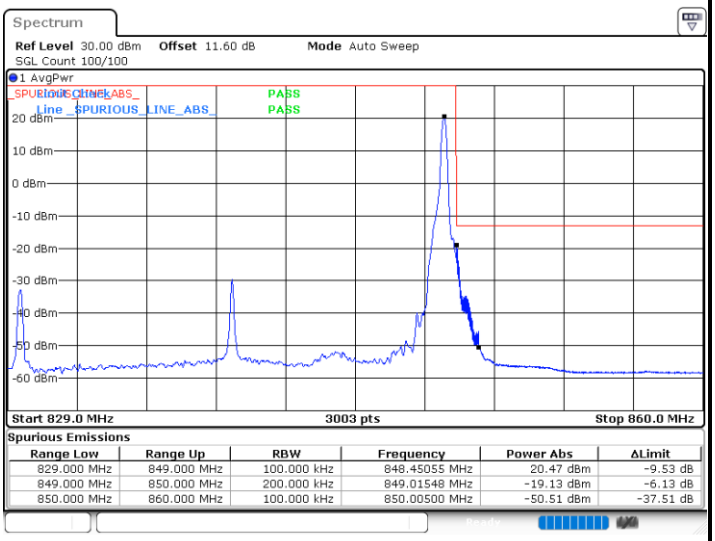


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	815.08392 MHz	-47.91 dBm	-34.91 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.97652 MHz	-17.21 dBm	-4.21 dB
824.000 MHz	844.000 MHz	100.000 kHz	824.54945 MHz	20.30 dBm	-9.70 dB

Date: 16.OCT.2020 11:28:05

Highest Band Edge / 1RBmax

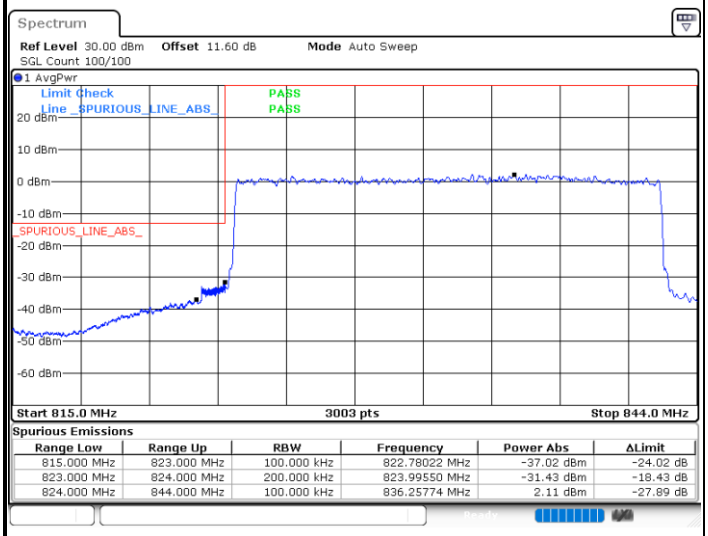


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	848.45055 MHz	20.47 dBm	-9.53 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.01548 MHz	-19.13 dBm	-6.13 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-50.51 dBm	-37.51 dB

Date: 16.OCT.2020 11:53:40

Lowest Band Edge / Full RB

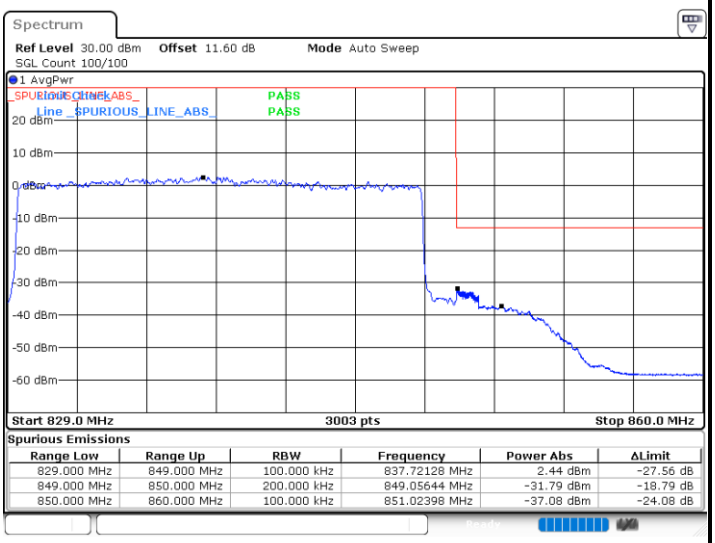


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.78022 MHz	-37.02 dBm	-24.02 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.99550 MHz	-31.43 dBm	-18.43 dB
824.000 MHz	844.000 MHz	100.000 kHz	836.25774 MHz	2.11 dBm	-27.89 dB

Date: 16.OCT.2020 11:32:17

Highest Band Edge / Full RB



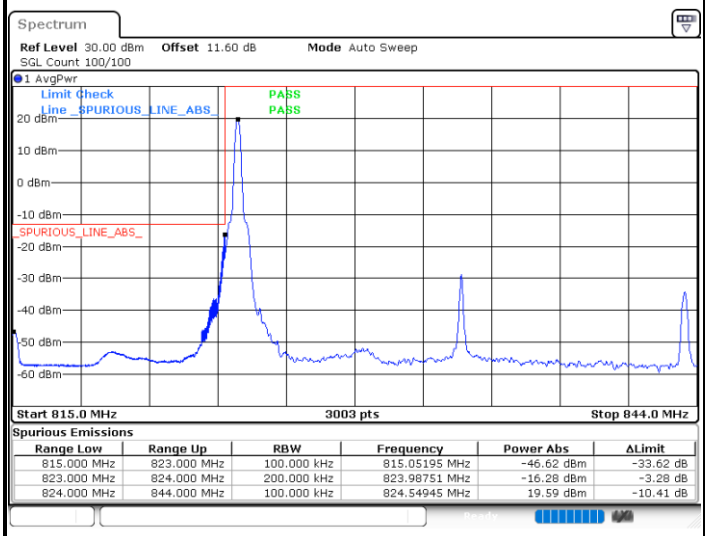
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	837.72128 MHz	2.44 dBm	-27.56 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.05644 MHz	-31.79 dBm	-18.79 dB
850.000 MHz	860.000 MHz	100.000 kHz	851.02398 MHz	-37.08 dBm	-24.08 dB

Date: 16.OCT.2020 11:47:38

FR1 n5 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

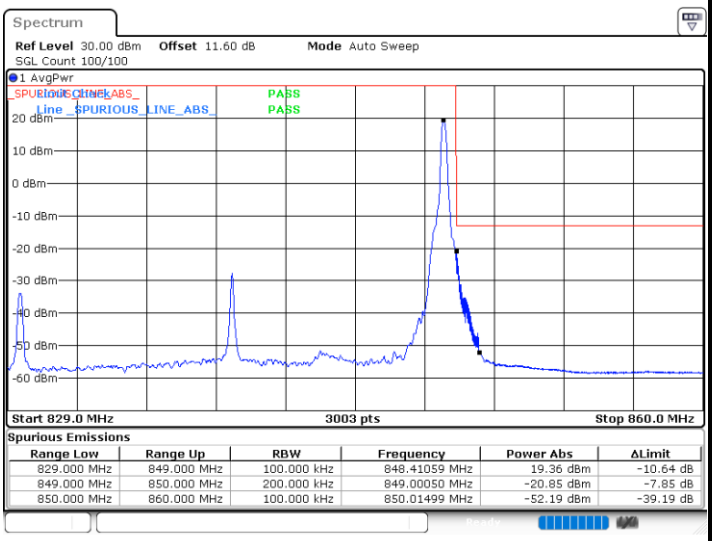


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	815.05195 MHz	-46.62 dBm	-33.62 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.98751 MHz	-16.28 dBm	-3.28 dB
824.000 MHz	844.000 MHz	100.000 kHz	824.54945 MHz	19.59 dBm	-10.41 dB

Date: 16.OCT.2020 11:28:38

Highest Band Edge / 1RBmax

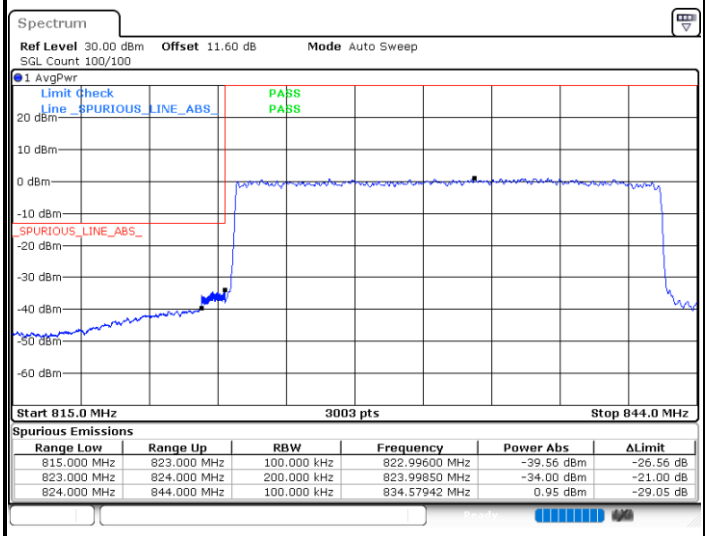


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	848.41059 MHz	19.36 dBm	-10.64 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.00050 MHz	-20.85 dBm	-7.85 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-52.19 dBm	-39.19 dB

Date: 16.OCT.2020 11:53:01

Lowest Band Edge / Full RB

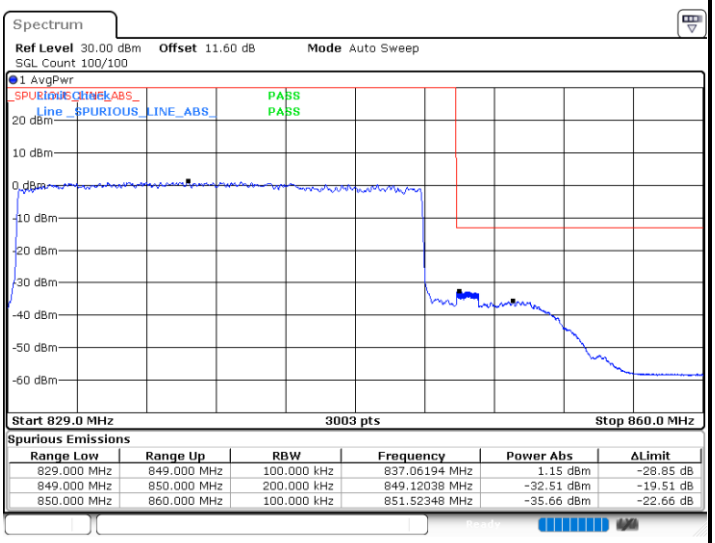


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-39.56 dBm	-26.56 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.99850 MHz	-34.00 dBm	-21.00 dB
824.000 MHz	844.000 MHz	100.000 kHz	834.57942 MHz	0.95 dBm	-29.05 dB

Date: 16.OCT.2020 11:31:44

Highest Band Edge / Full RB



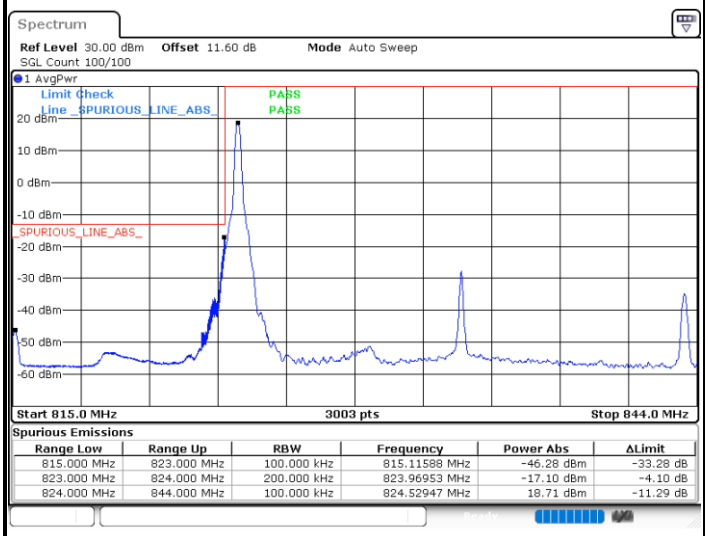
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	837.06194 MHz	1.15 dBm	-28.85 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.12038 MHz	-32.51 dBm	-19.51 dB
850.000 MHz	860.000 MHz	100.000 kHz	851.52348 MHz	-35.66 dBm	-22.66 dB

Date: 16.OCT.2020 11:49:40

FR1 n5 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

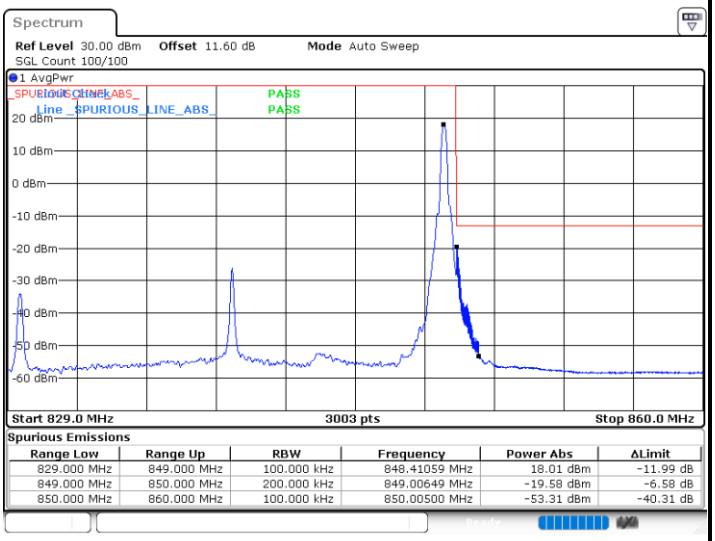


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	815.11588 MHz	-46.28 dBm	-33.28 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.96953 MHz	-17.10 dBm	-4.10 dB
824.000 MHz	844.000 MHz	100.000 kHz	824.52947 MHz	18.71 dBm	-11.29 dB

Date: 16.OCT.2020 11:29:20

Highest Band Edge / 1RBmax

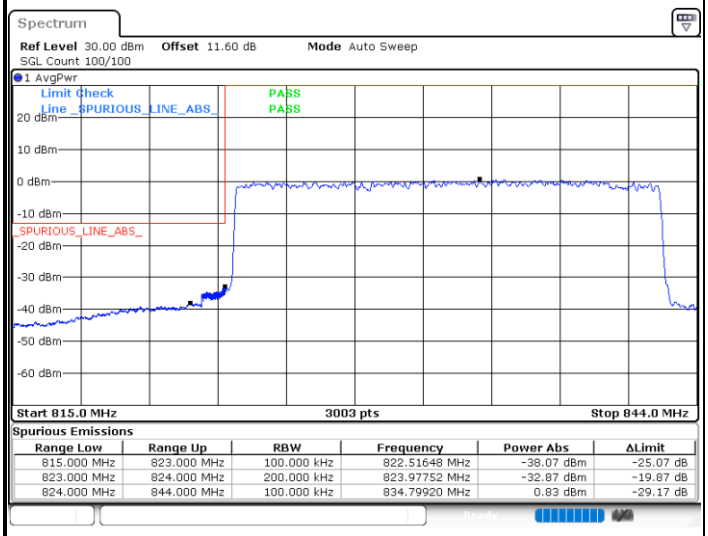


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	848.41059 MHz	18.01 dBm	-11.99 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.00649 MHz	-19.58 dBm	-6.58 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-53.31 dBm	-40.31 dB

Date: 16.OCT.2020 11:52:21

Lowest Band Edge / Full RB

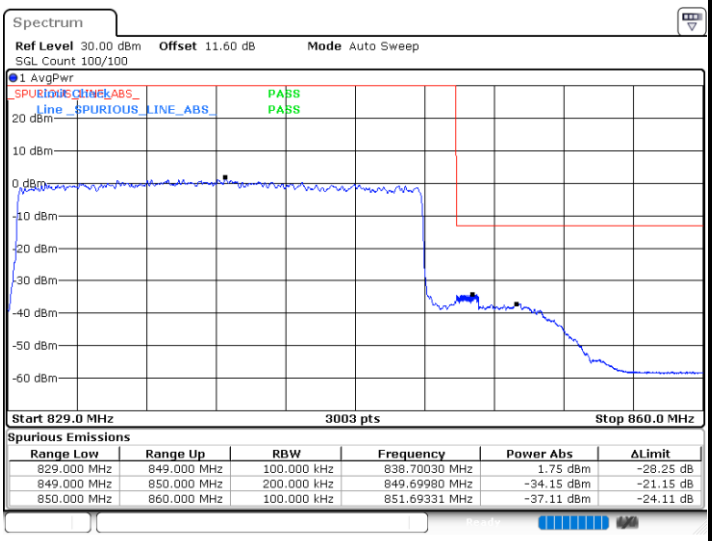


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.51648 MHz	-38.07 dBm	-25.07 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.97752 MHz	-32.87 dBm	-19.87 dB
824.000 MHz	844.000 MHz	100.000 kHz	834.79920 MHz	0.83 dBm	-29.17 dB

Date: 16.OCT.2020 11:31:05

Highest Band Edge / Full RB



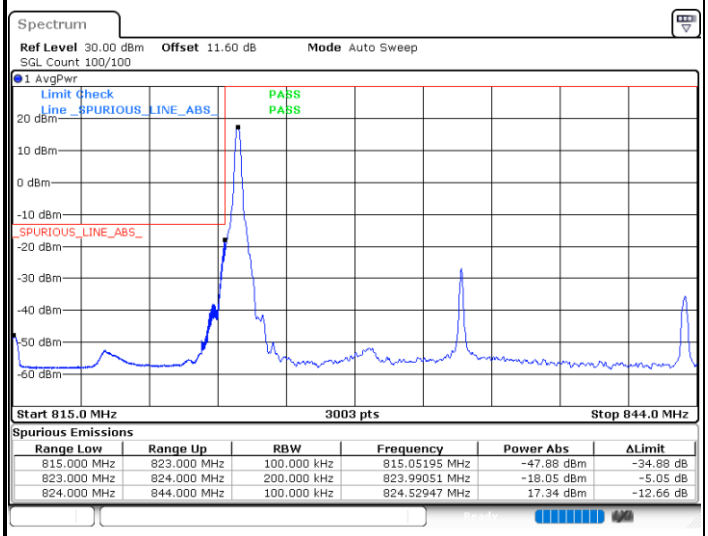
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	838.70030 MHz	1.75 dBm	-28.25 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.69980 MHz	-34.15 dBm	-21.15 dB
850.000 MHz	860.000 MHz	100.000 kHz	851.69331 MHz	-37.11 dBm	-24.11 dB

Date: 16.OCT.2020 11:50:17

FR1 n5 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

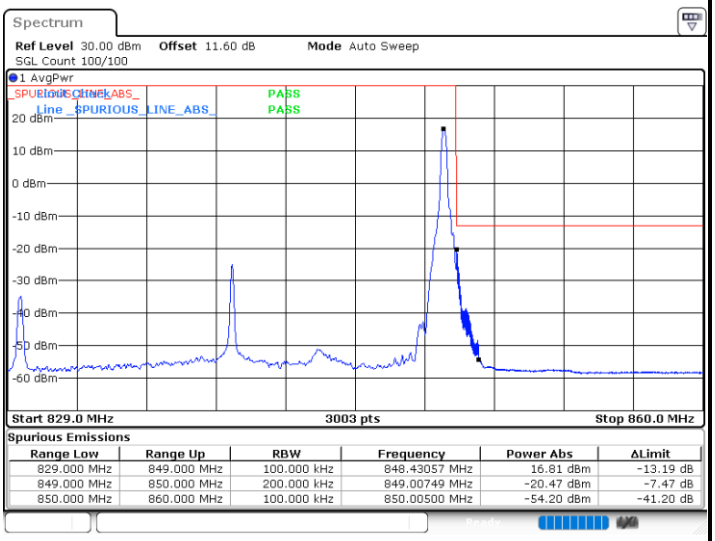


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	815.05195 MHz	-47.88 dBm	-34.88 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.99051 MHz	-18.05 dBm	-5.05 dB
824.000 MHz	844.000 MHz	100.000 kHz	824.52947 MHz	17.34 dBm	-12.66 dB

Date: 16.OCT.2020 11:29:56

Highest Band Edge / 1RBmax

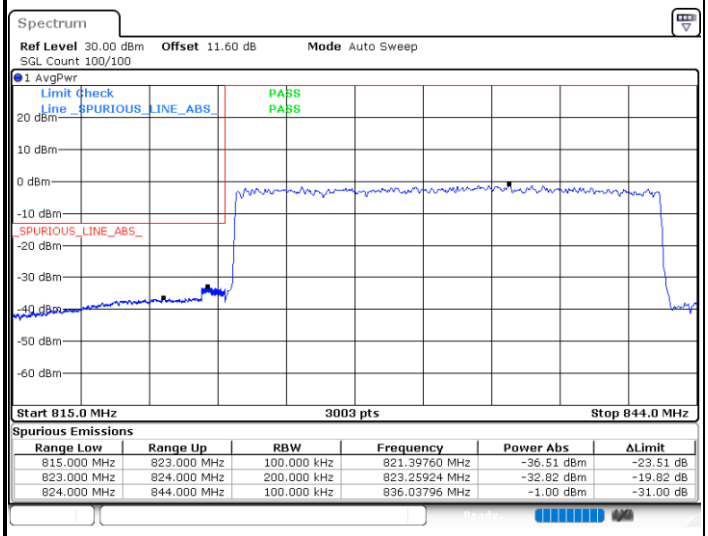


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	848.43057 MHz	16.81 dBm	-13.19 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.00749 MHz	-20.47 dBm	-7.47 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-54.20 dBm	-41.20 dB

Date: 16.OCT.2020 11:51:36

Lowest Band Edge / Full RB

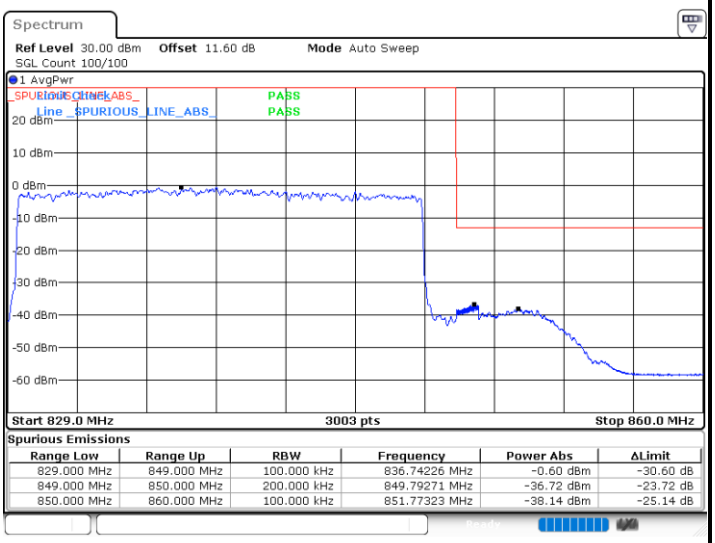


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	821.39760 MHz	-36.51 dBm	-23.51 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.25924 MHz	-32.82 dBm	-19.82 dB
824.000 MHz	844.000 MHz	100.000 kHz	836.03796 MHz	-1.00 dBm	-31.00 dB

Date: 16.OCT.2020 11:30:32

Highest Band Edge / Full RB

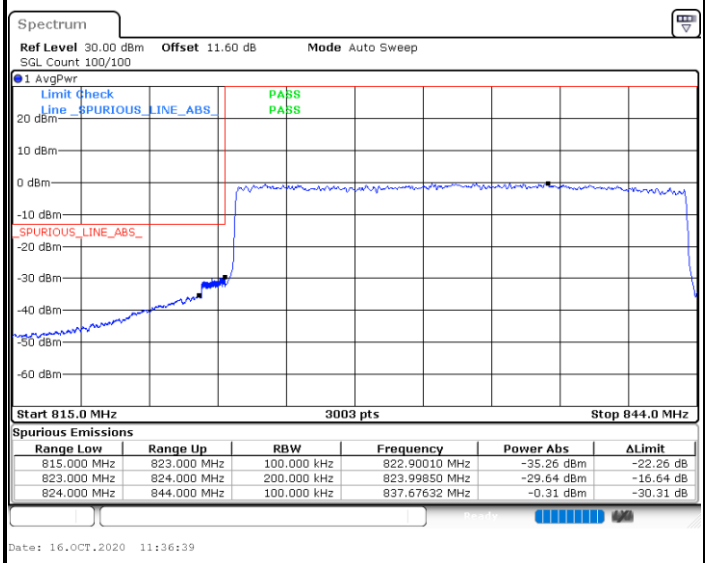


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	836.74226 MHz	-0.60 dBm	-30.60 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.79271 MHz	-36.72 dBm	-23.72 dB
850.000 MHz	860.000 MHz	100.000 kHz	851.77323 MHz	-38.14 dBm	-25.14 dB

Date: 16.OCT.2020 11:50:53

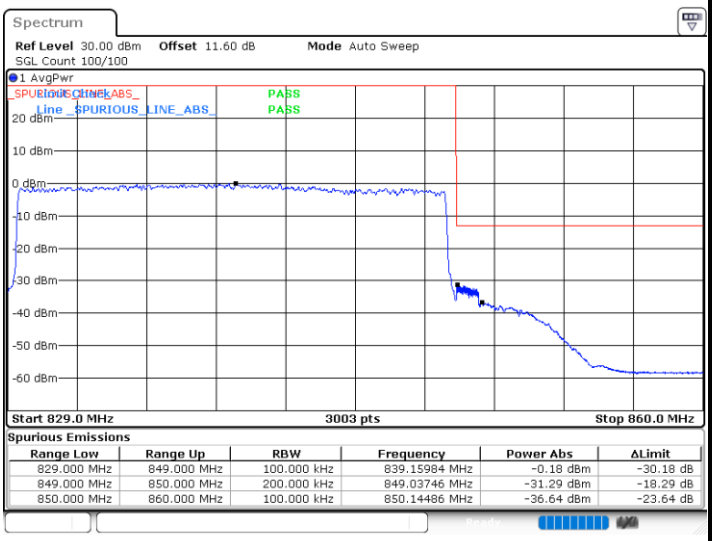
FR1 n5 / 20MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.90010 MHz	-35.26 dBm	-22.26 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.99850 MHz	-29.64 dBm	-16.64 dB
824.000 MHz	844.000 MHz	100.000 kHz	837.67632 MHz	-0.31 dBm	-30.31 dB

Date: 16.OCT.2020 11:36:39



Spurious Emissions

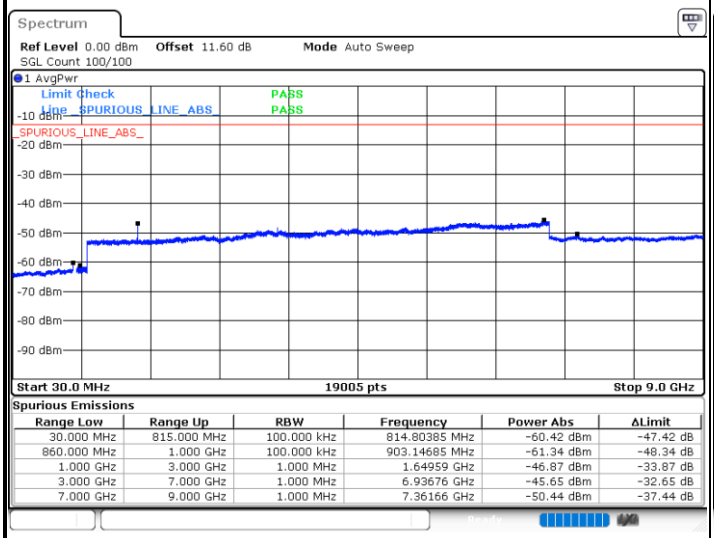
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
829.000 MHz	849.000 MHz	100.000 kHz	839.15984 MHz	-0.18 dBm	-30.18 dB
849.000 MHz	850.000 MHz	200.000 kHz	849.03746 MHz	-31.29 dBm	-18.29 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.14486 MHz	-36.64 dBm	-23.64 dB

Date: 16.OCT.2020 11:46:51

Conducted Spurious Emission

FR1 n5 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

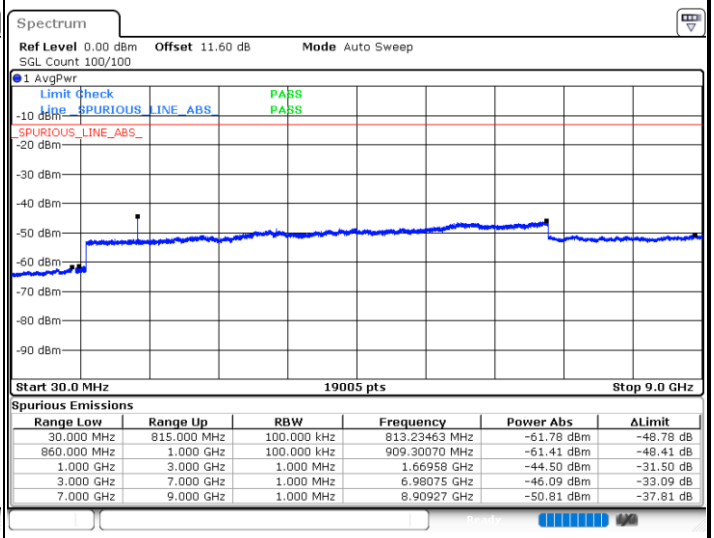


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-60.42 dBm	-47.42 dB
860.000 MHz	1.000 GHz	100.000 kHz	903.14685 MHz	-61.34 dBm	-48.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-46.87 dBm	-33.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93676 GHz	-45.65 dBm	-32.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.36166 GHz	-50.44 dBm	-37.44 dB

Date: 16.OCT.2020 14:59:03

Middle Channel / 1RB1

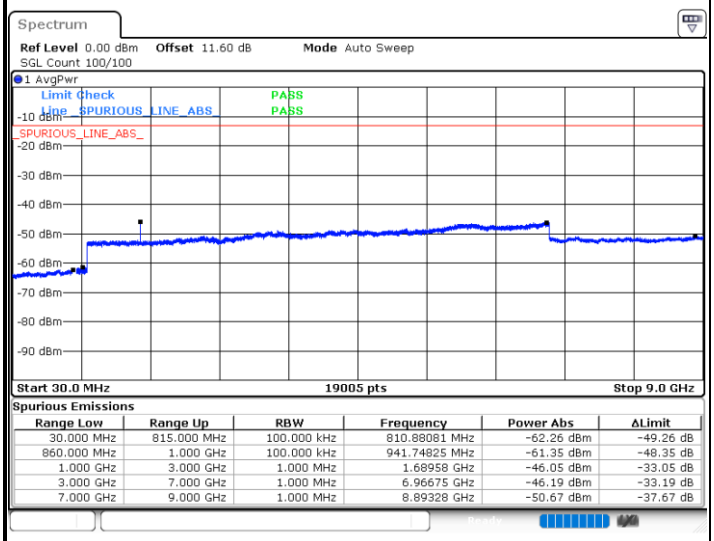


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	813.23463 MHz	-61.78 dBm	-48.78 dB
860.000 MHz	1.000 GHz	100.000 kHz	909.30070 MHz	-61.41 dBm	-48.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66958 GHz	-44.50 dBm	-31.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98075 GHz	-46.09 dBm	-33.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90927 GHz	-50.81 dBm	-37.81 dB

Date: 16.OCT.2020 14:55:52

Highest Channel / 1RB1



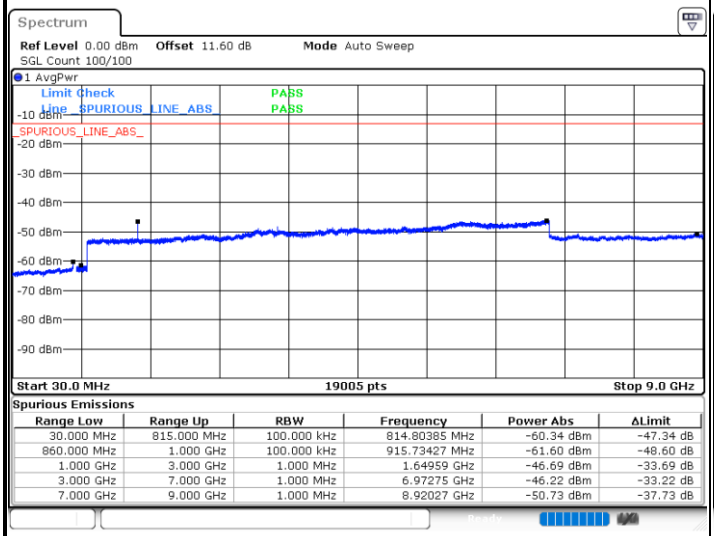
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	810.88081 MHz	-62.26 dBm	-49.26 dB
860.000 MHz	1.000 GHz	100.000 kHz	941.74825 MHz	-61.35 dBm	-48.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68958 GHz	-46.05 dBm	-33.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96675 GHz	-46.19 dBm	-33.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89328 GHz	-50.67 dBm	-37.67 dB

Date: 16.OCT.2020 15:09:02

FR1 n5 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

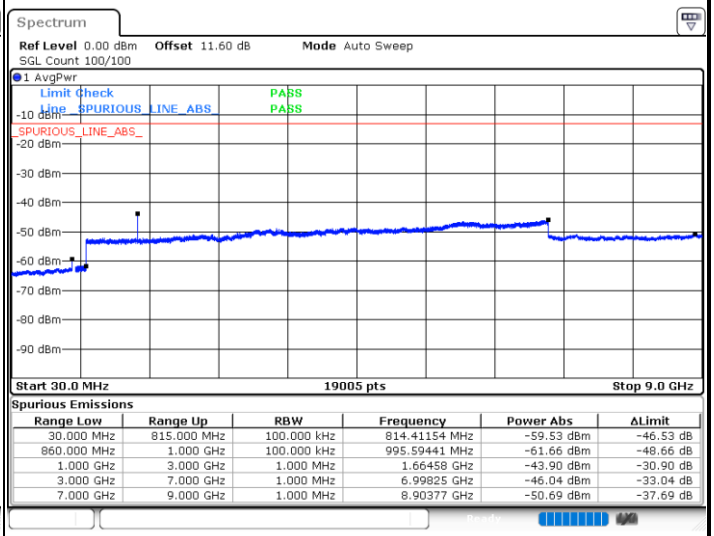


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-60.34 dBm	-47.34 dB
860.000 MHz	1.000 GHz	100.000 kHz	915.73427 MHz	-61.60 dBm	-48.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-46.69 dBm	-33.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97275 GHz	-46.22 dBm	-33.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.92027 GHz	-50.73 dBm	-37.73 dB

Date: 16.OCT.2020 14:23:53

Middle Channel / 1RB1

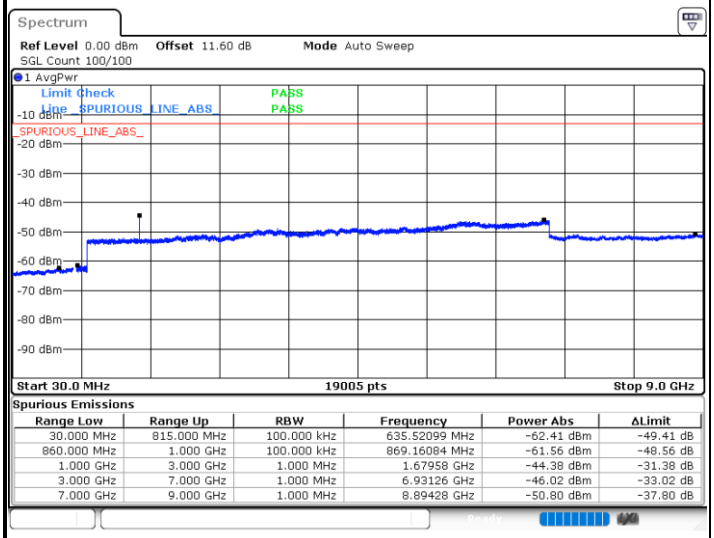


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-59.53 dBm	-46.53 dB
860.000 MHz	1.000 GHz	100.000 kHz	995.59441 MHz	-61.66 dBm	-48.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-43.90 dBm	-30.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-46.04 dBm	-33.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90377 GHz	-50.69 dBm	-37.69 dB

Date: 16.OCT.2020 14:28:16

Highest Channel / 1RB1



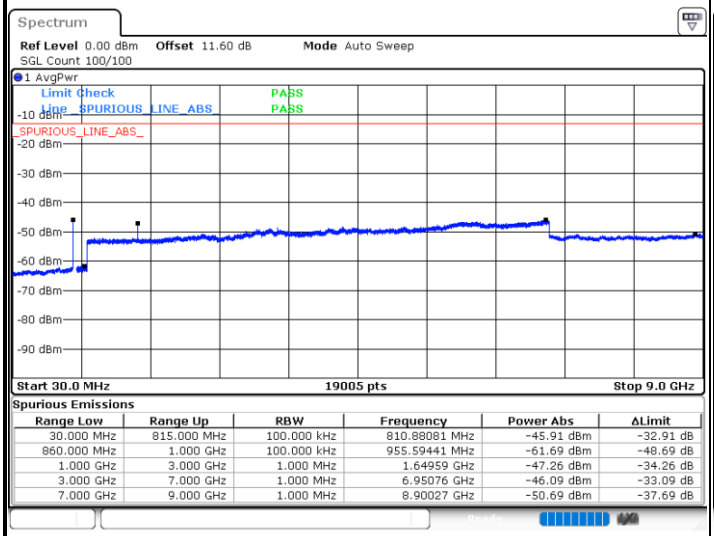
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	635.52099 MHz	-62.41 dBm	-49.41 dB
860.000 MHz	1.000 GHz	100.000 kHz	869.16084 MHz	-61.56 dBm	-48.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-44.38 dBm	-31.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93126 GHz	-46.02 dBm	-33.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89428 GHz	-50.80 dBm	-37.80 dB

Date: 16.OCT.2020 14:40:23

FR1 n5 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

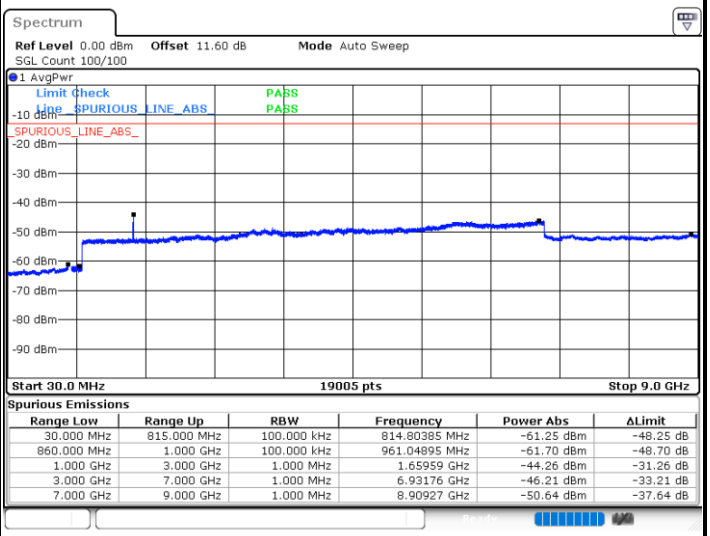


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	810.88081 MHz	-45.91 dBm	-32.91 dB
860.000 MHz	1.000 GHz	100.000 kHz	955.59441 MHz	-61.69 dBm	-48.69 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-47.26 dBm	-34.26 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95076 GHz	-46.09 dBm	-33.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90027 GHz	-50.69 dBm	-37.69 dB

Date: 16.OCT.2020 13:39:44

Middle Channel / 1RB1

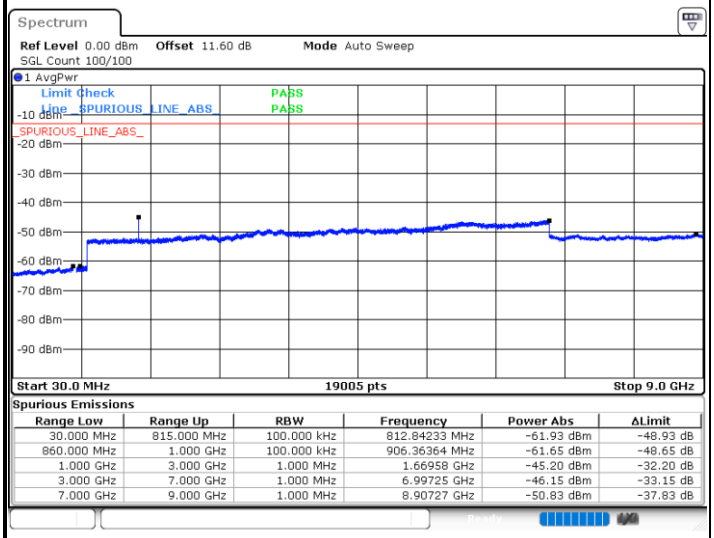


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-61.25 dBm	-48.25 dB
860.000 MHz	1.000 GHz	100.000 kHz	961.04895 MHz	-61.70 dBm	-48.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65959 GHz	-44.26 dBm	-31.26 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93176 GHz	-46.21 dBm	-33.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90927 GHz	-50.64 dBm	-37.64 dB

Date: 16.OCT.2020 13:58:15

Highest Channel / 1RB1



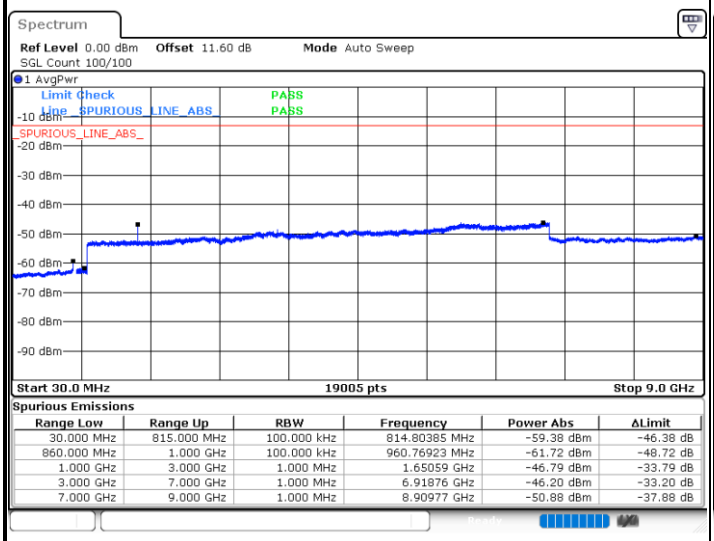
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.84233 MHz	-61.93 dBm	-48.93 dB
860.000 MHz	1.000 GHz	100.000 kHz	906.36364 MHz	-61.65 dBm	-48.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66958 GHz	-45.20 dBm	-32.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-46.15 dBm	-33.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90727 GHz	-50.83 dBm	-37.83 dB

Date: 16.OCT.2020 13:59:27

FR1 n5 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

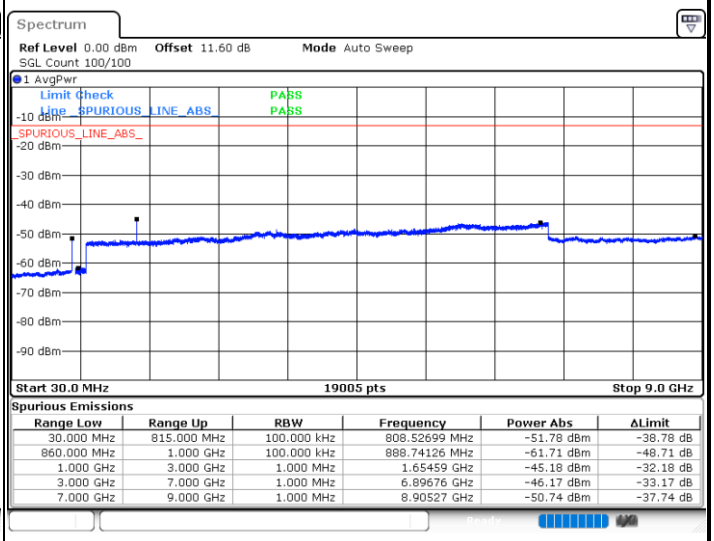


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-59.38 dBm	-46.38 dB
860.000 MHz	1.000 GHz	100.000 kHz	960.76923 MHz	-61.72 dBm	-48.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65059 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91876 GHz	-46.20 dBm	-33.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90977 GHz	-50.88 dBm	-37.88 dB

Date: 16.OCT.2020 11:38:12

Middle Channel / 1RB1

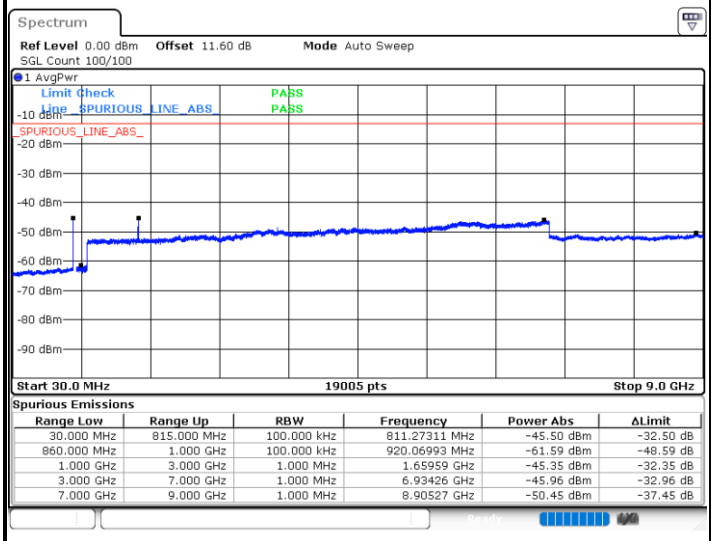


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	808.52699 MHz	-51.78 dBm	-38.78 dB
860.000 MHz	1.000 GHz	100.000 kHz	888.74126 MHz	-61.71 dBm	-48.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65459 GHz	-45.18 dBm	-32.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89676 GHz	-46.17 dBm	-33.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90527 GHz	-50.74 dBm	-37.74 dB

Date: 16.OCT.2020 11:39:05

Highest Channel / 1RB1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	811.27311 MHz	-45.50 dBm	-32.50 dB
860.000 MHz	1.000 GHz	100.000 kHz	920.06993 MHz	-61.59 dBm	-48.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65959 GHz	-45.35 dBm	-32.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93426 GHz	-45.96 dBm	-32.96 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90527 GHz	-50.45 dBm	-37.45 dB

Date: 16.OCT.2020 13:37:36

Frequency Stability

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0194	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0022	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.80 V.；Battery End Point (BEP) =3.30 V.；Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

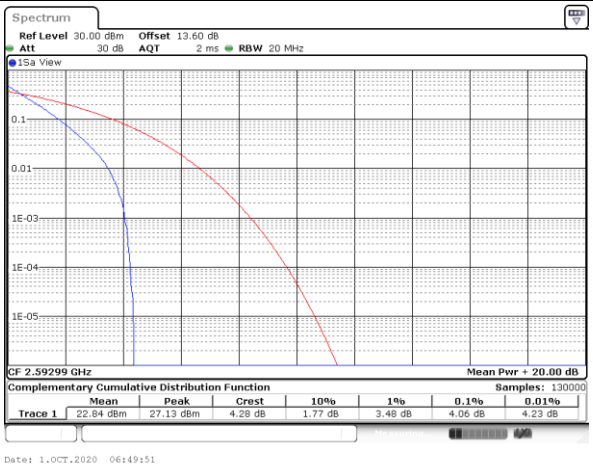
FR1 n41

Peak-to-Average Ratio

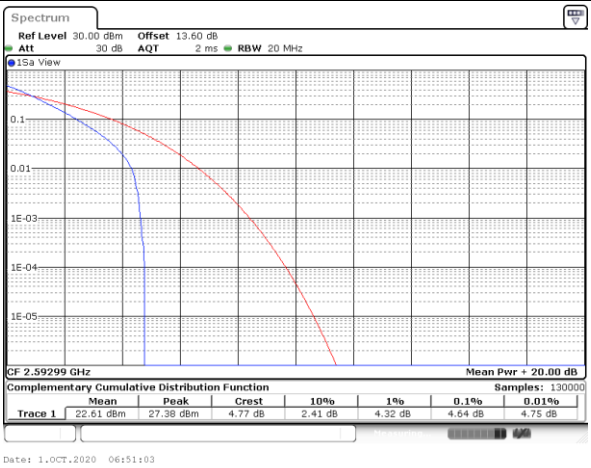
Mode	FR1 n41 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.06	4.64	5.97	6.49	PASS
Mode	FR1 n41 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	7.07				PASS

FR1 n41 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

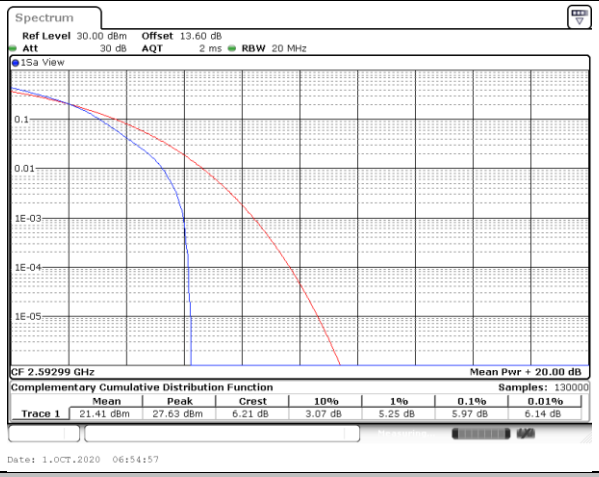
PI/2 BPSK



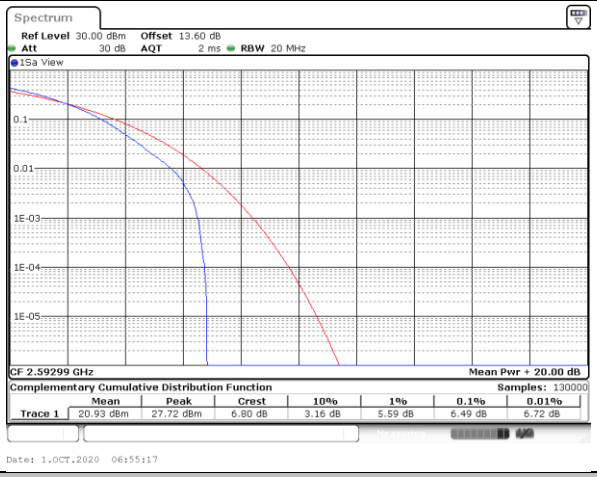
QPSK



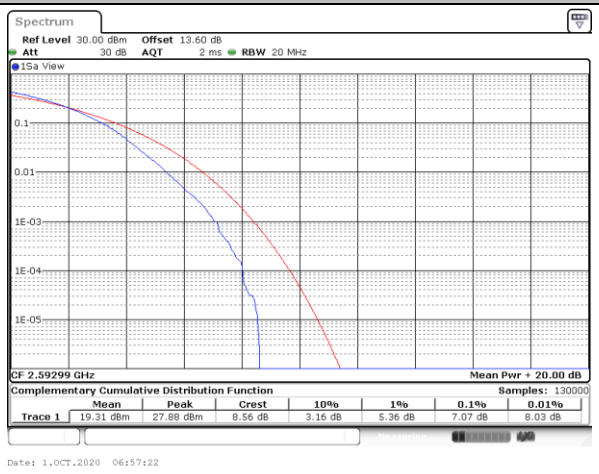
16QAM



64QAM



256QAM



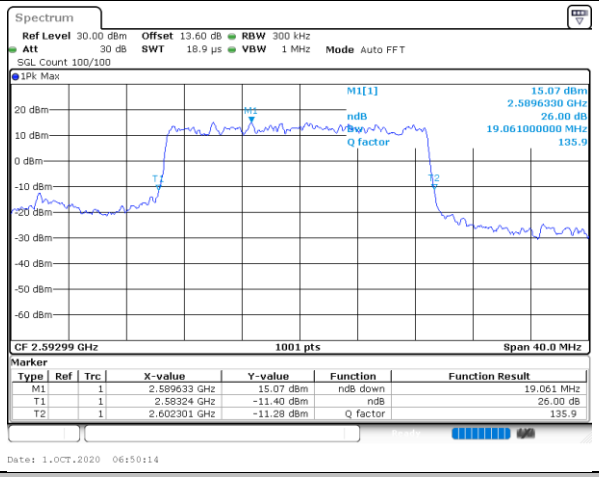
26dB Bandwidth

Mode	FR1 n41 : 26dB BW(MHz) / DFT-S OFDM							
BW	20MHz	40MHz	50MHz	60MHz	80MHz	90MHz	100MHz	
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	
Middle CH	19.06	38.12	48.35	61.14	84.24	89.55	99.50	

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	20MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	19.38	19.54	40.68	40.44	49.95	50.15	60.54	60.90
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	19.34	19.38	40.44	40.28	50.15	50.05	60.54	60.66
BW	80MHz		90MHz		100MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	80.40	82.00	91.35	92.07	100.70	100.50		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	81.04	81.52	90.63	93.33	100.70	100.50		

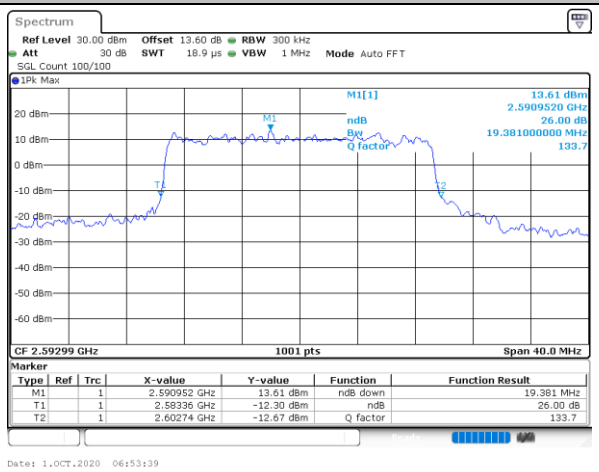
FR1 n41 / 20MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



FR1 n41 / 20MHz / CP OFDM

QPSK



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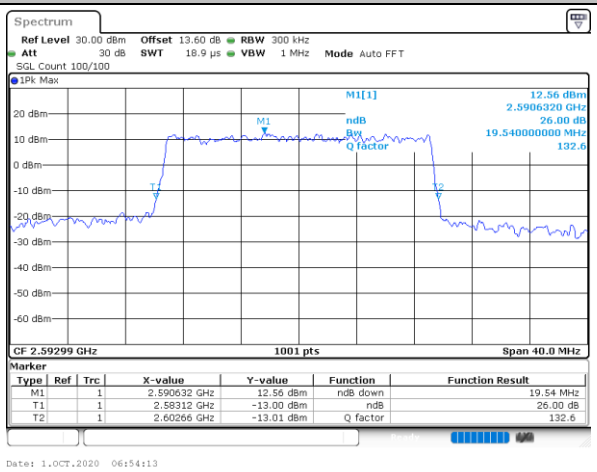

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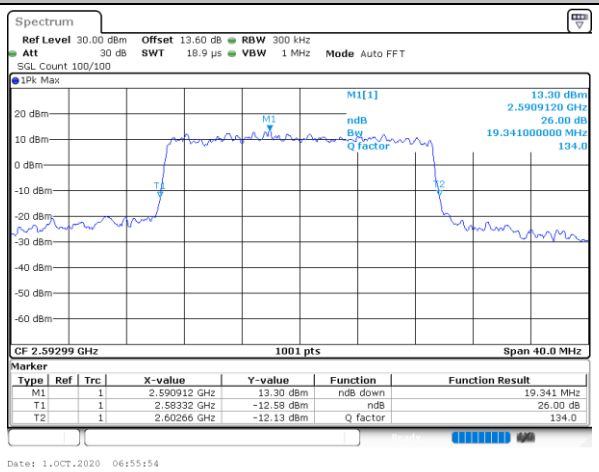

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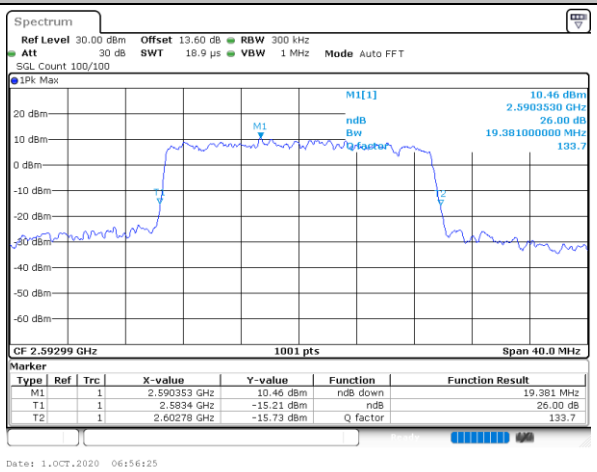
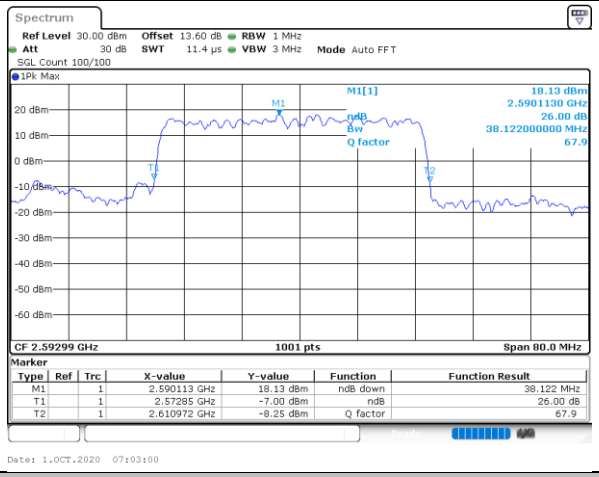


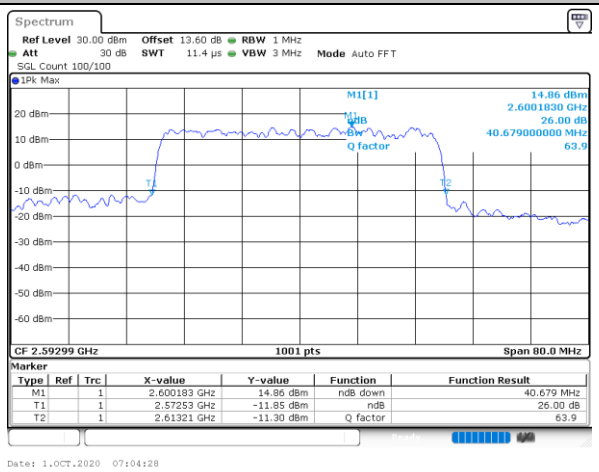
FR1 n41 / 40MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



QPSK

Middle Channel



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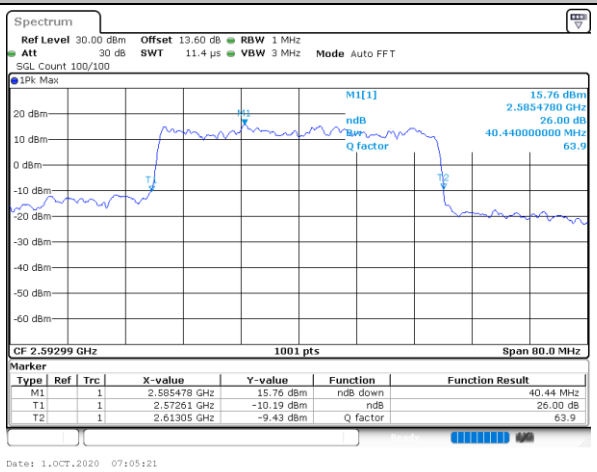
Middle Channel



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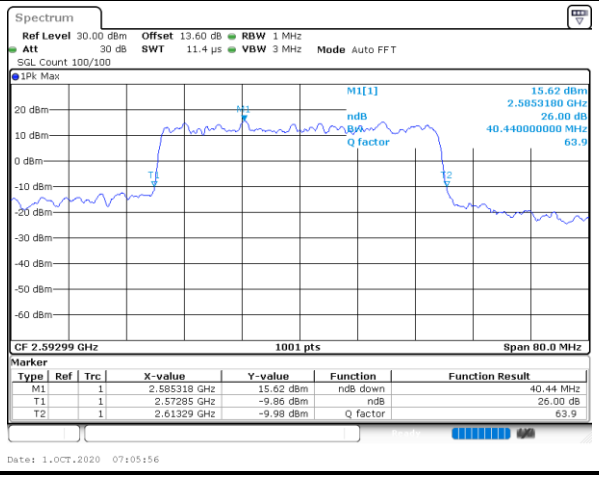

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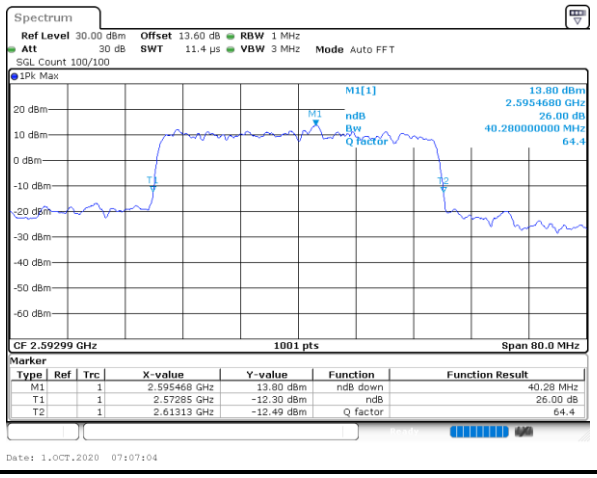
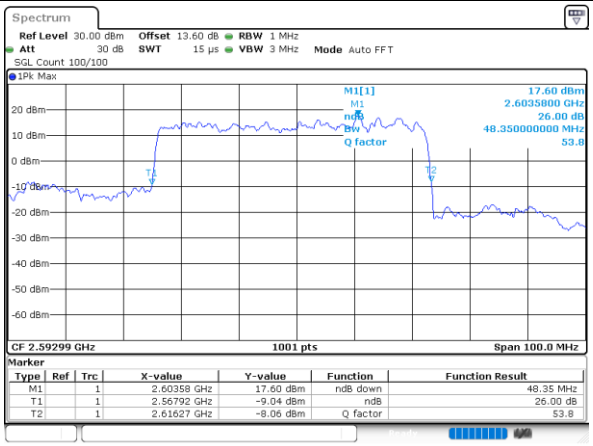


FR1 n41 / 50MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



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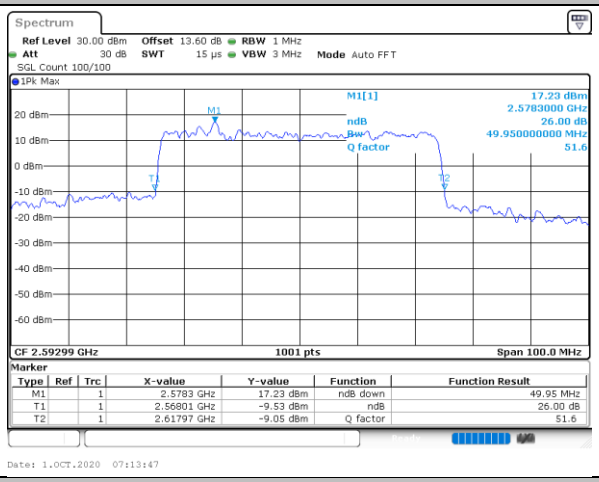

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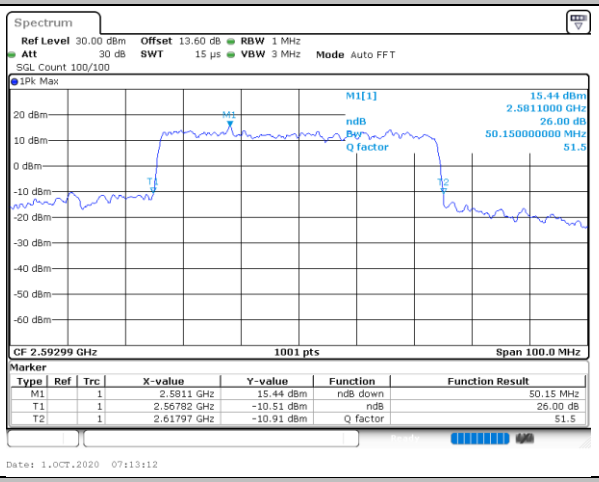

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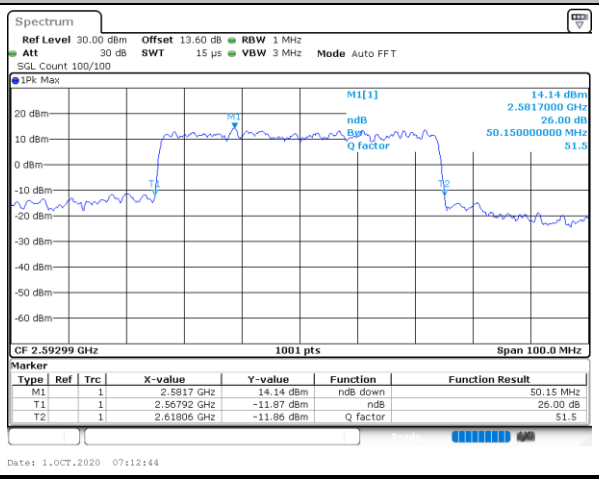

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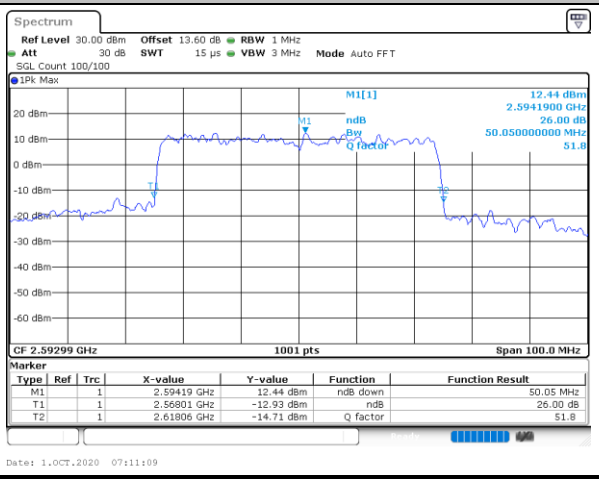
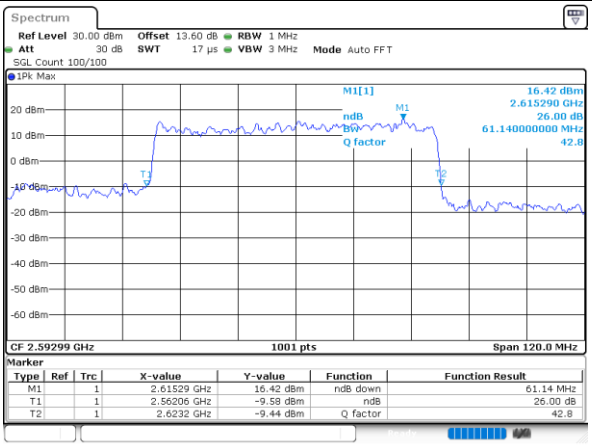


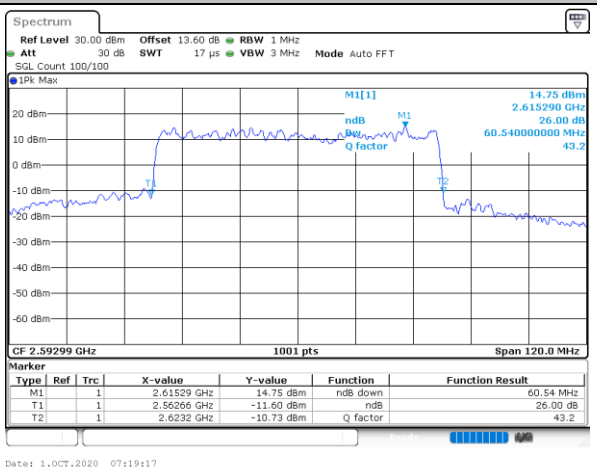
FR1 n41 / 60MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



FR1 n41 / 60MHz / CP OFDM

QPSK



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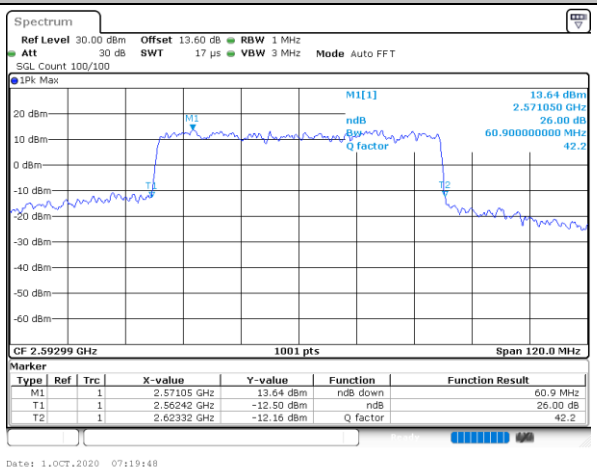

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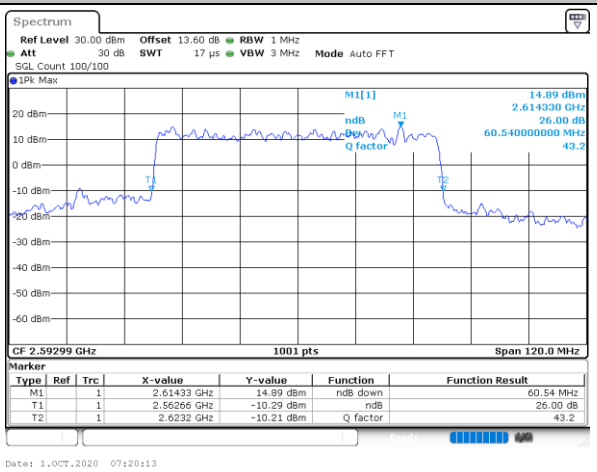

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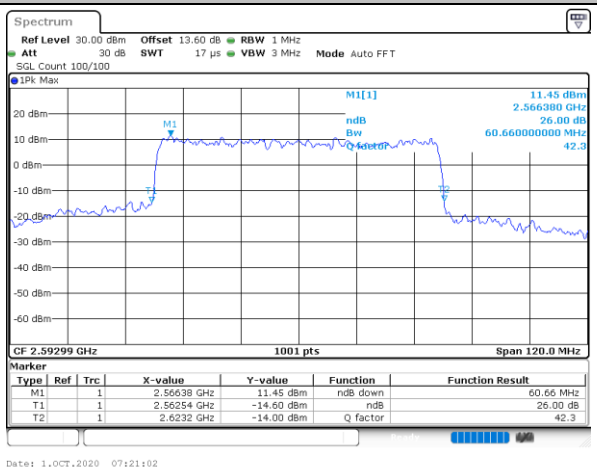
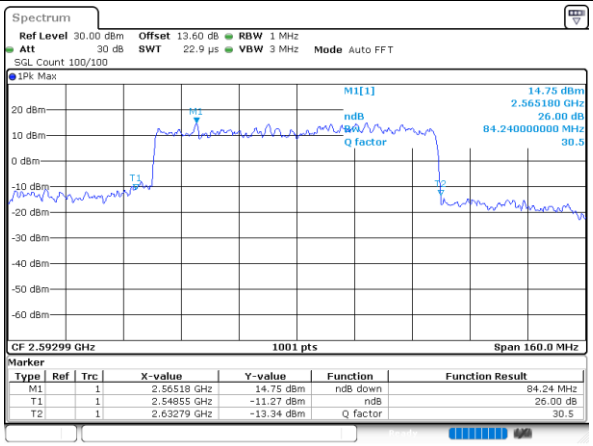
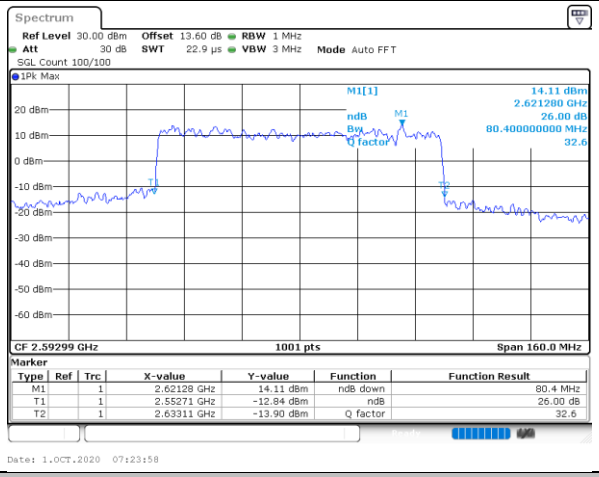


FR1 n41 / 80MHz / DFT-S OFDM / Middle Channel

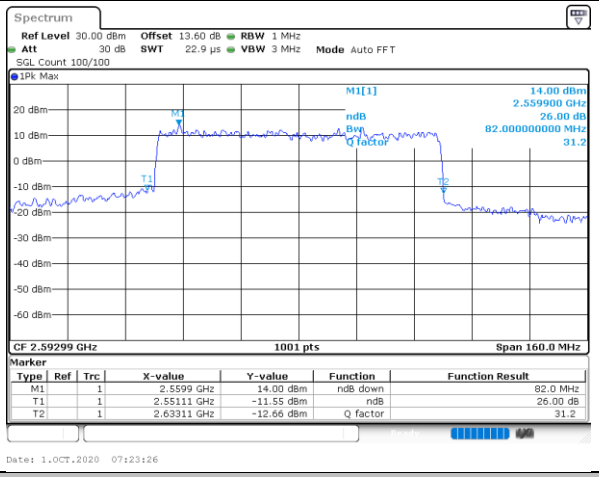
PI/2 BPSK



QPSK



16QAM



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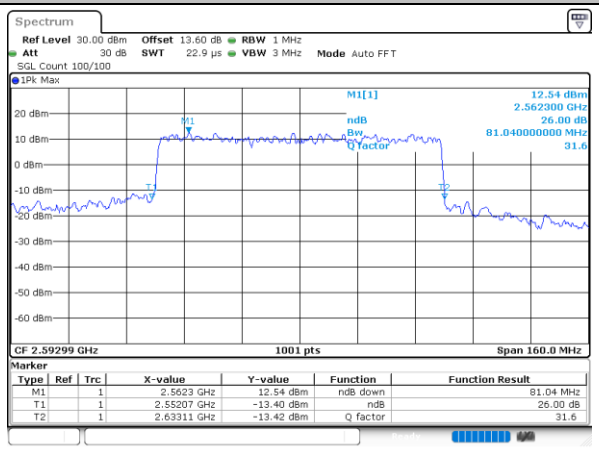

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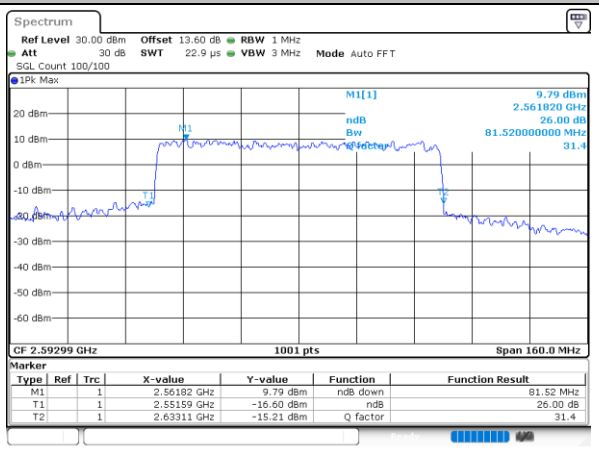
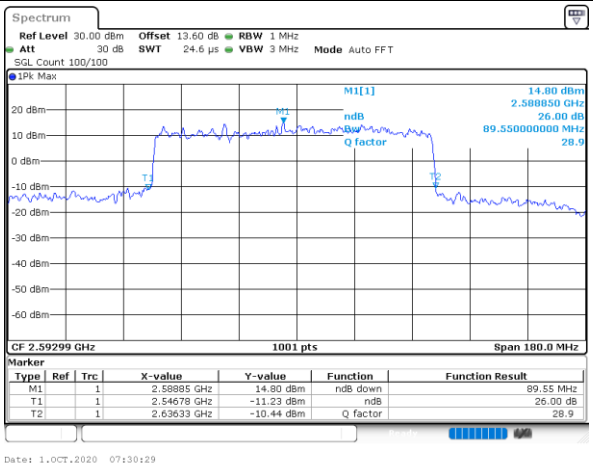
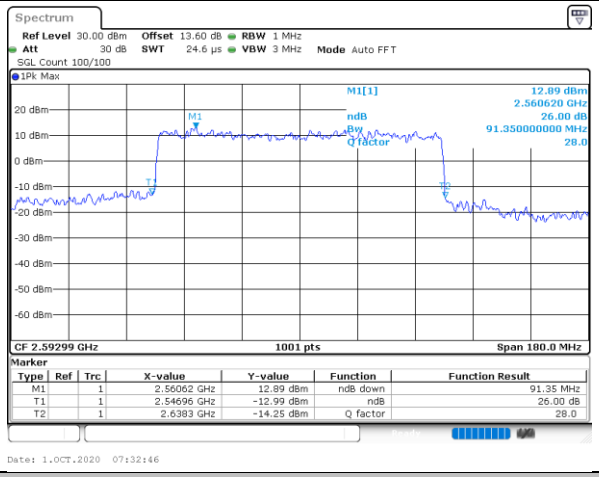


FR1 n41 / 90MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



QPSK



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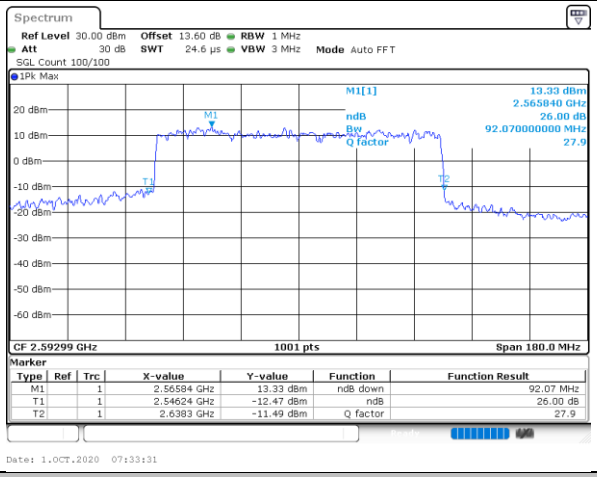

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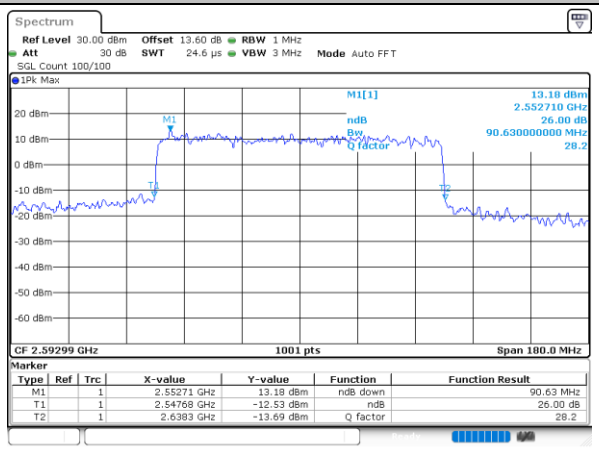

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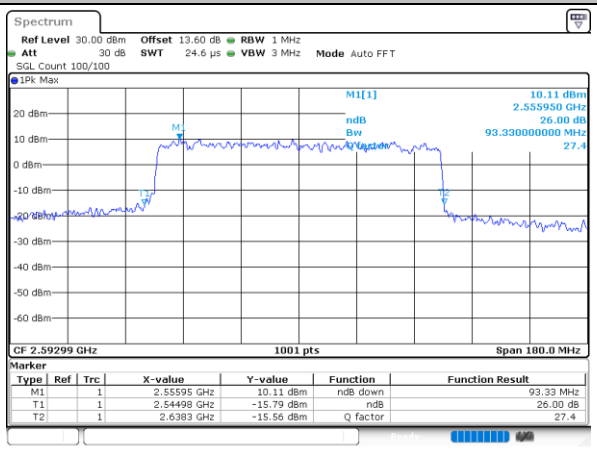
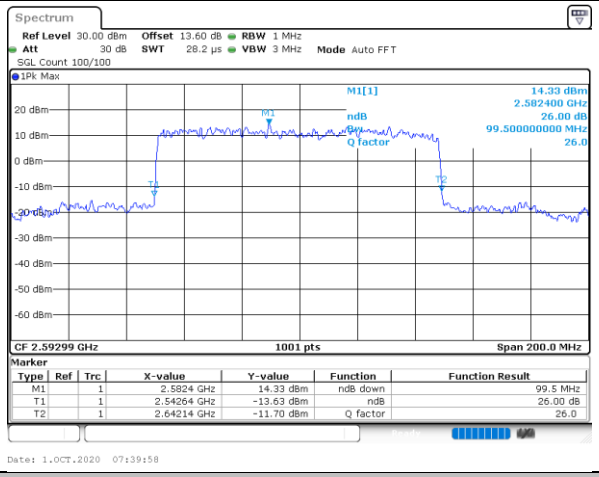


FR1 n41 / 100MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



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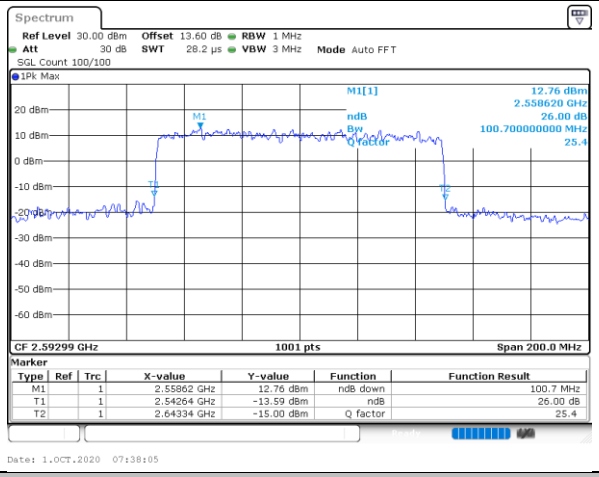

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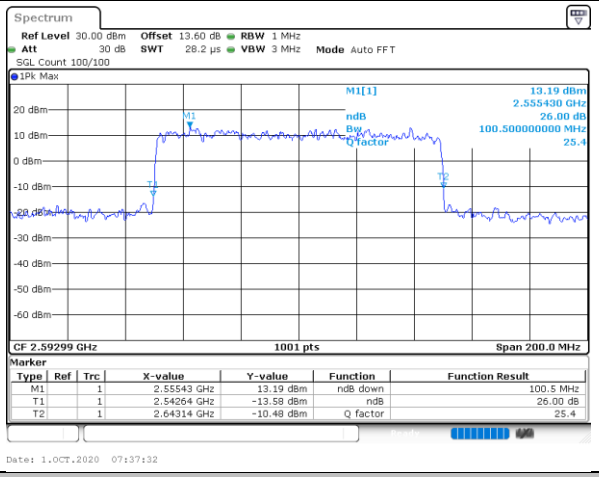

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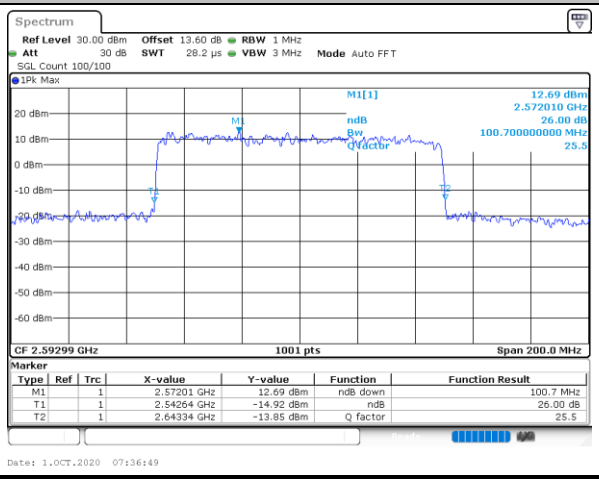

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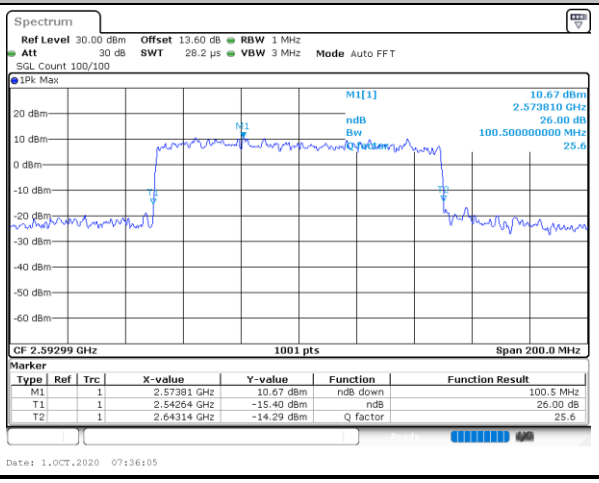


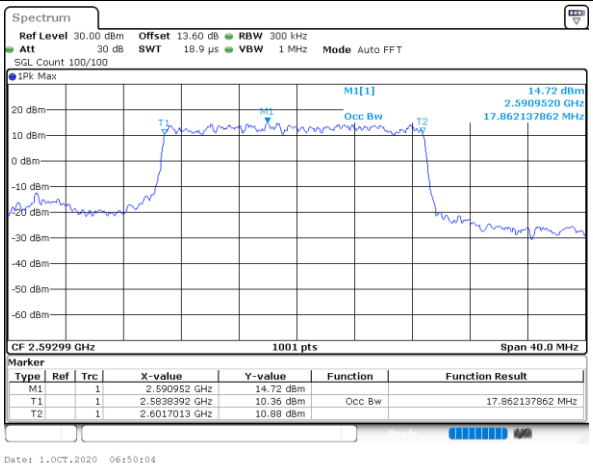
Occupied Bandwidth

Mode	FR1 n41 : OB BW(MHz) / DFT-S OFDM							
BW	20MHz	40MHz	50MHz	60MHz	80MHz	90MHz	100MHz	
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	
Middle CH	17.86	36.04	46.05	58.14	77.52	85.41	96.10	

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	20MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	18.22	18.22	38.12	38.20	47.95	47.75	58.02	58.02
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	18.22	18.22	38.04	37.96	47.95	47.65	57.90	58.02
BW	80MHz		90MHz		100MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	77.68	77.68	87.39	87.57	97.50	97.10		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	77.68	77.52	87.39	87.75	97.10	97.30		

FR1 n41 / 20MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



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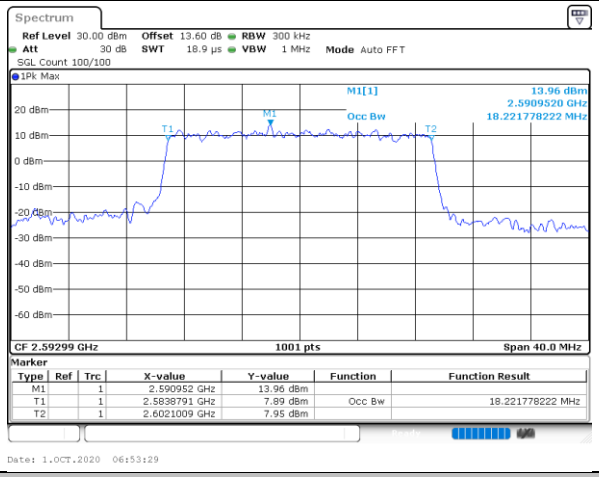

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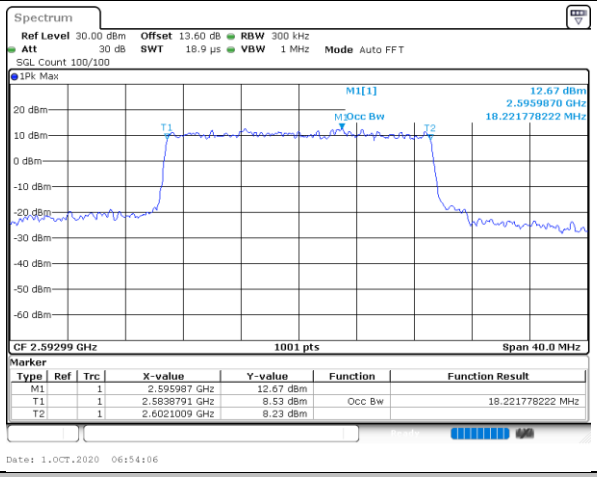

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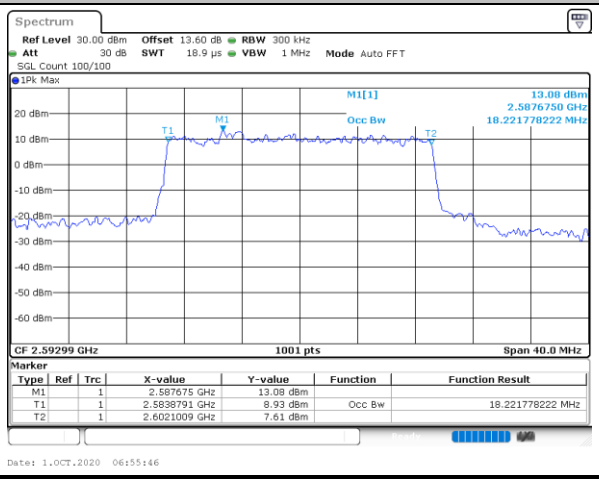

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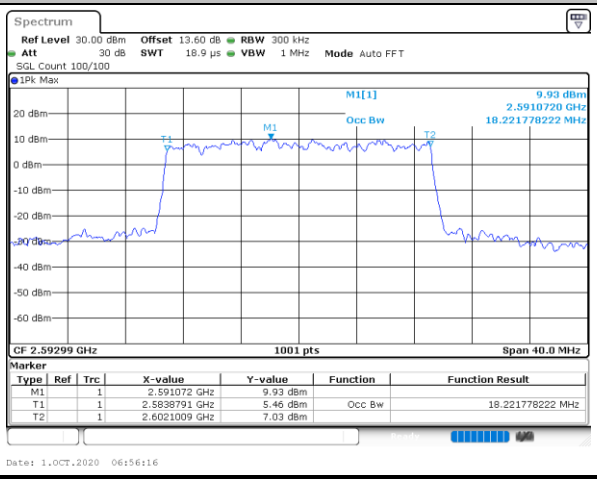
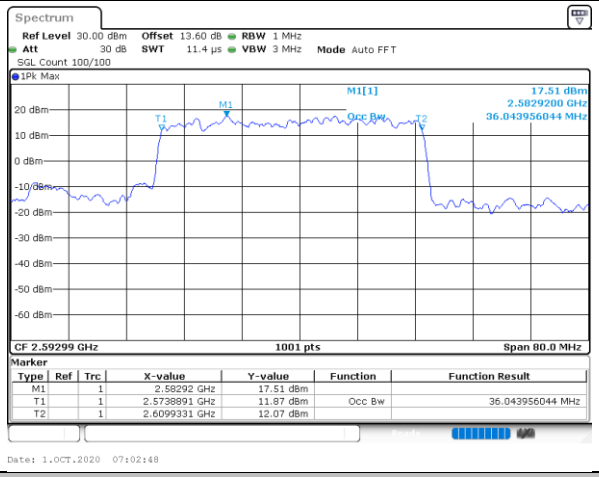


FR1 n41 / 40MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



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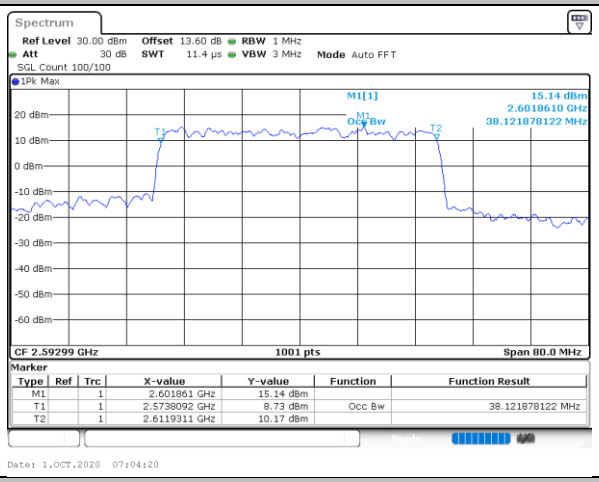

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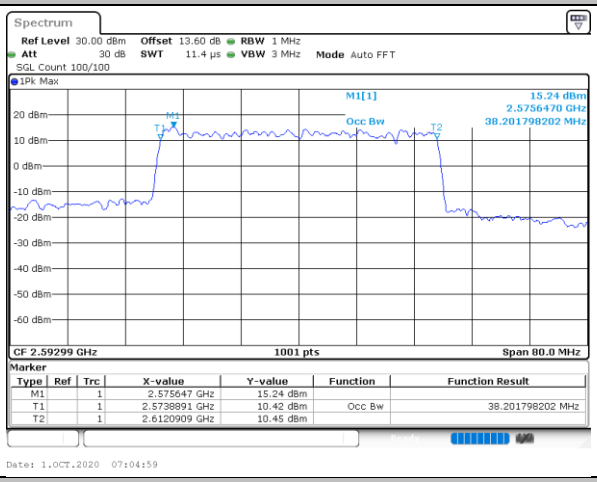

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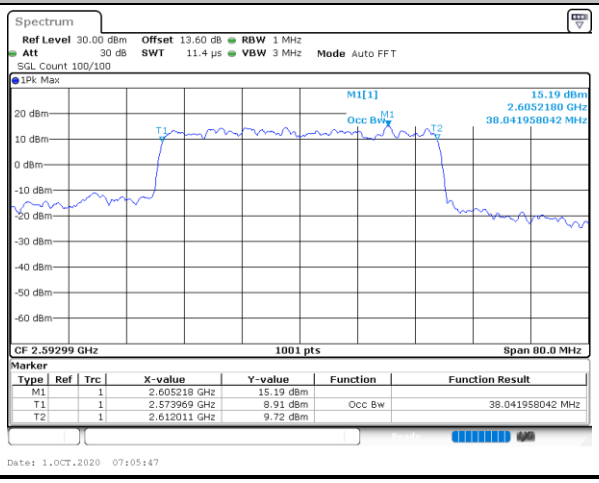

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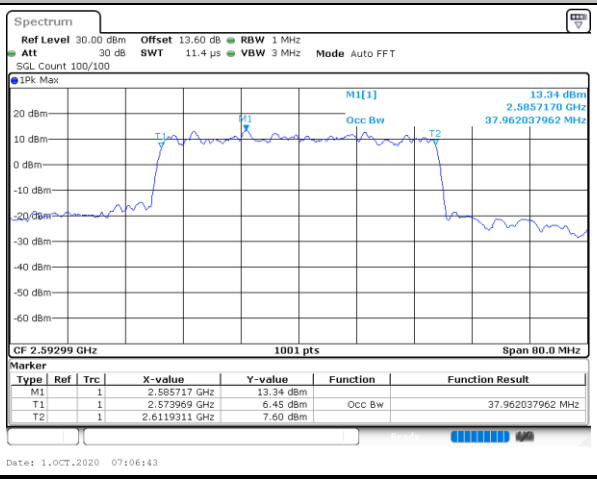
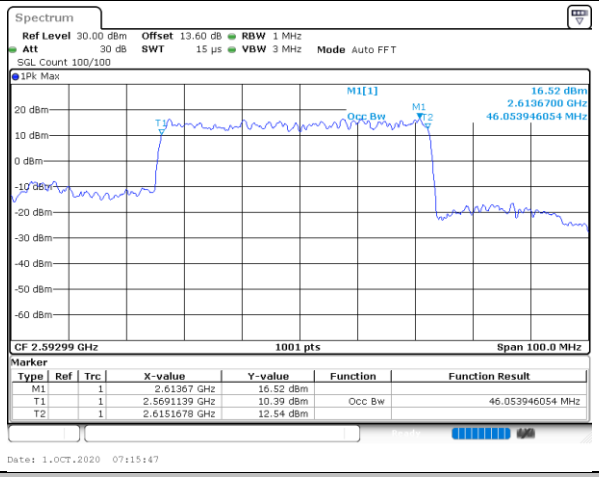


FR1 n41 / 50MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



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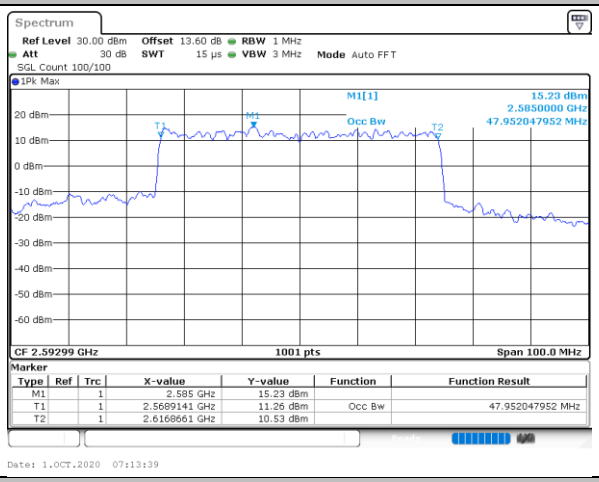

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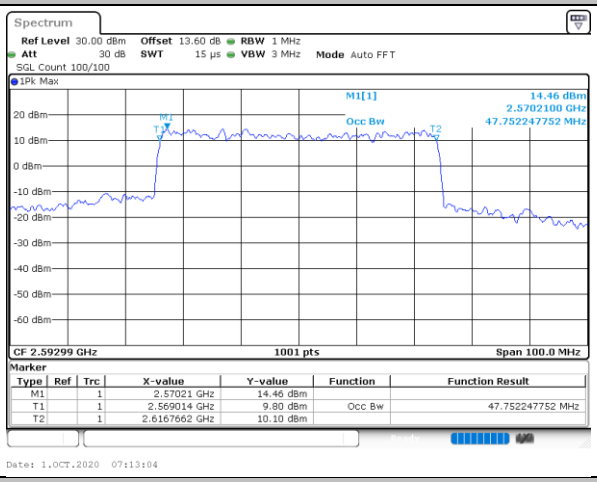

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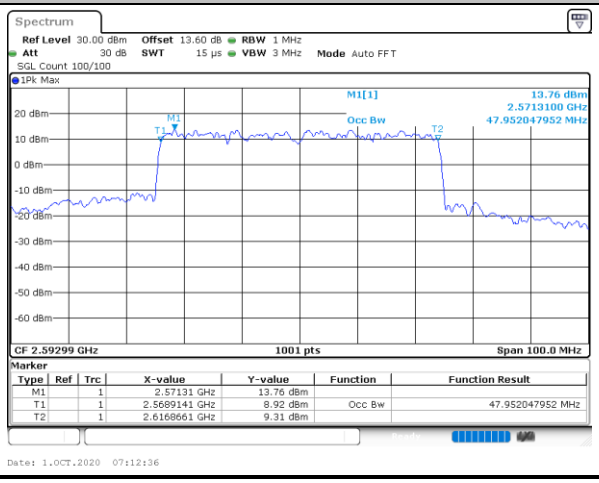

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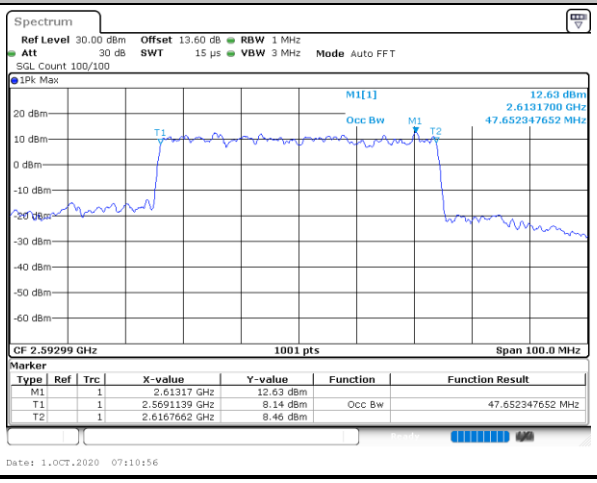
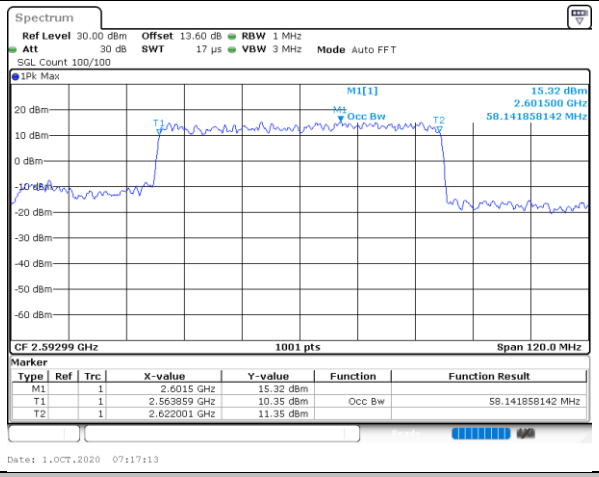
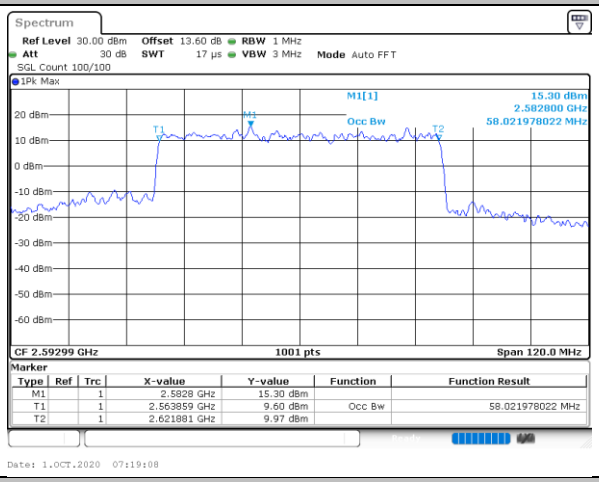


FR1 n41 / 60MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



QPSK



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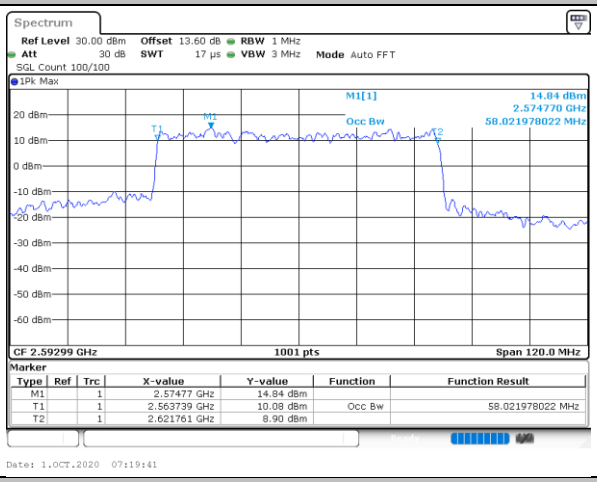

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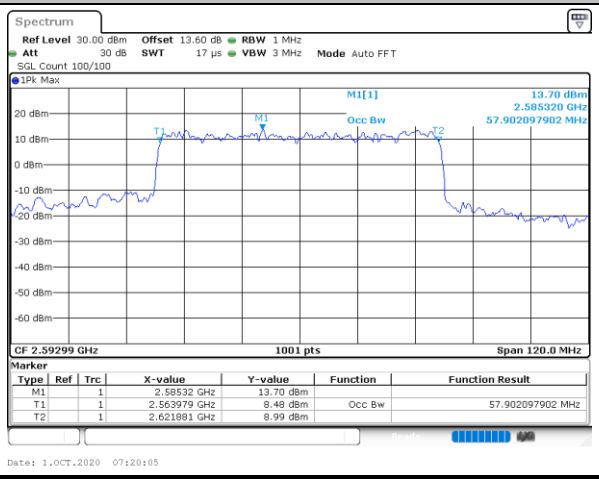

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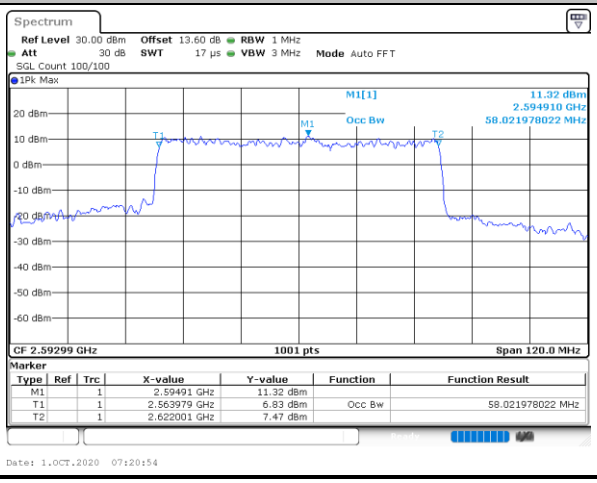
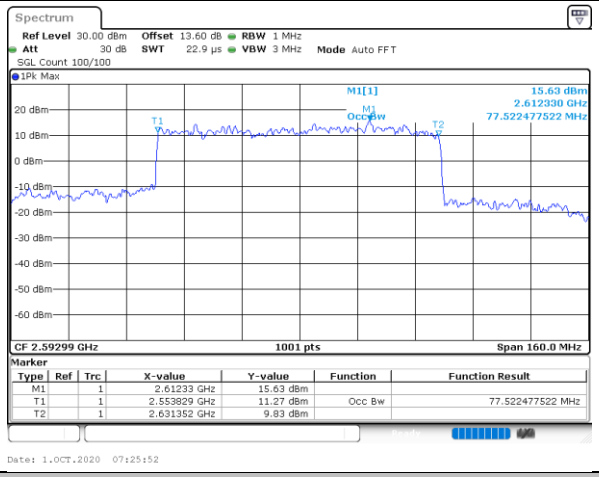


FR1 n41 / 80MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



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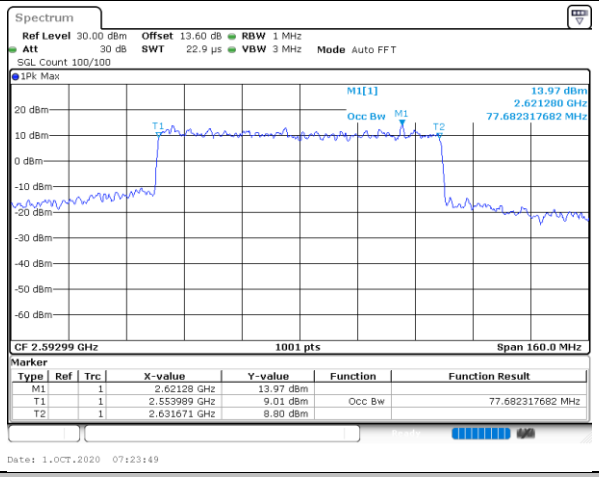

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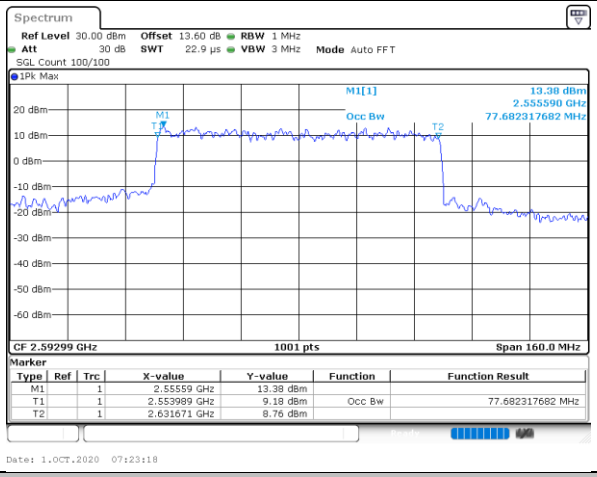

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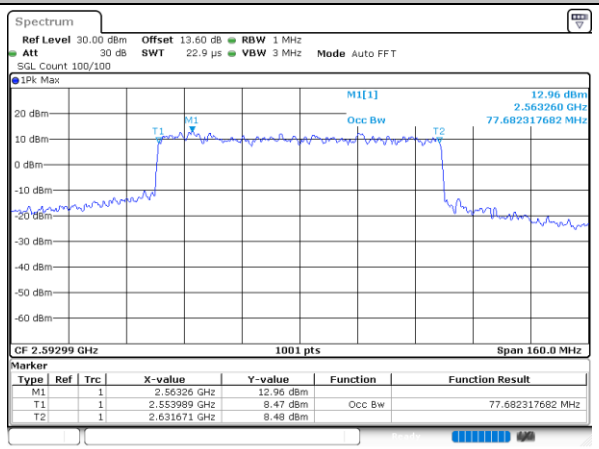

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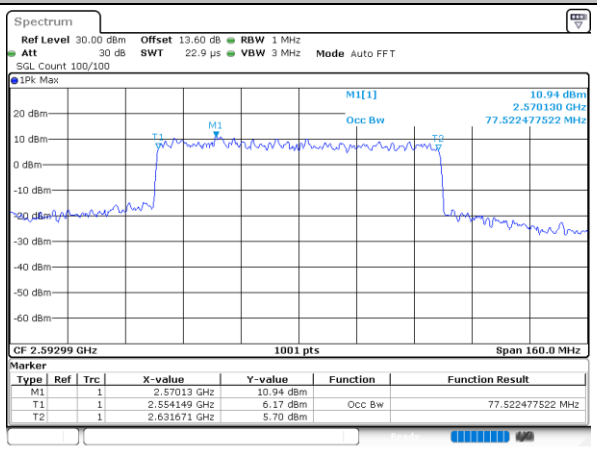
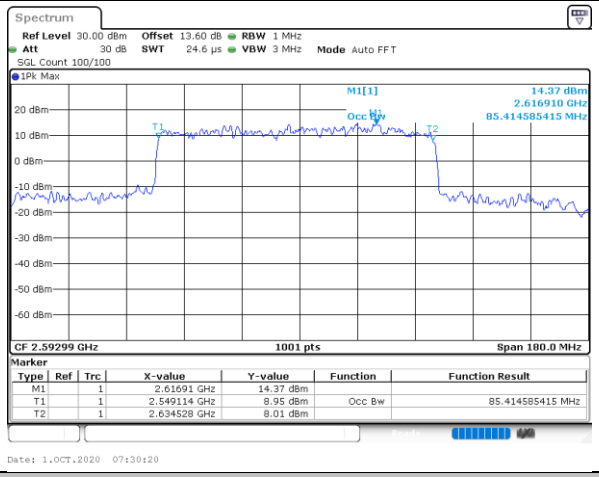


FR1 n41 / 90MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



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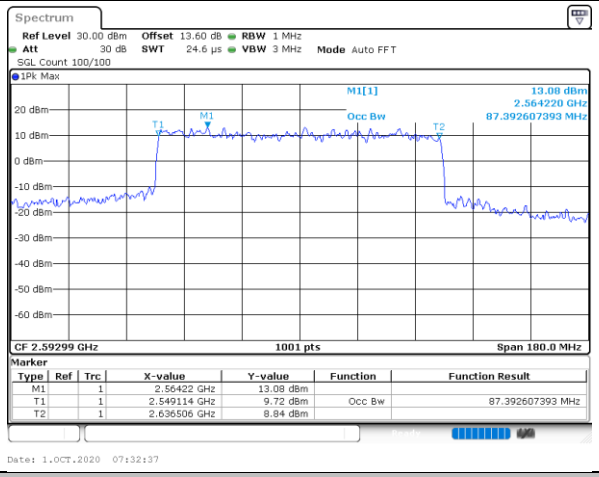

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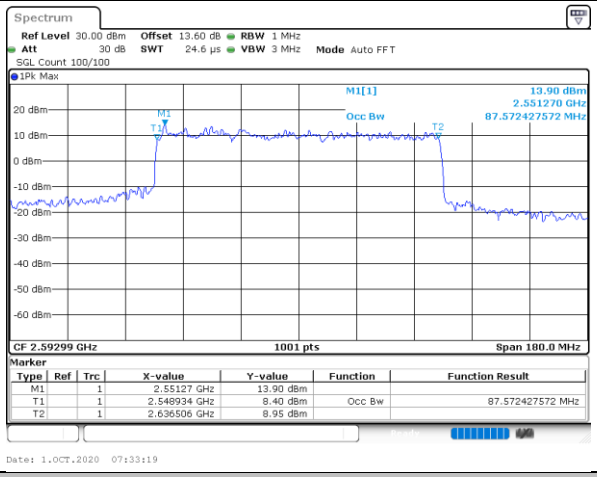

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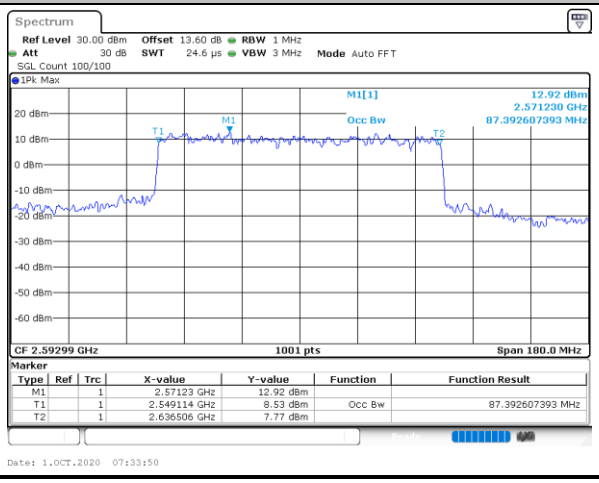

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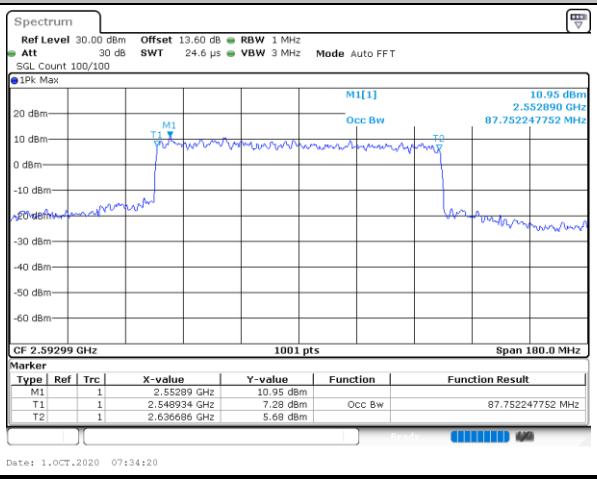
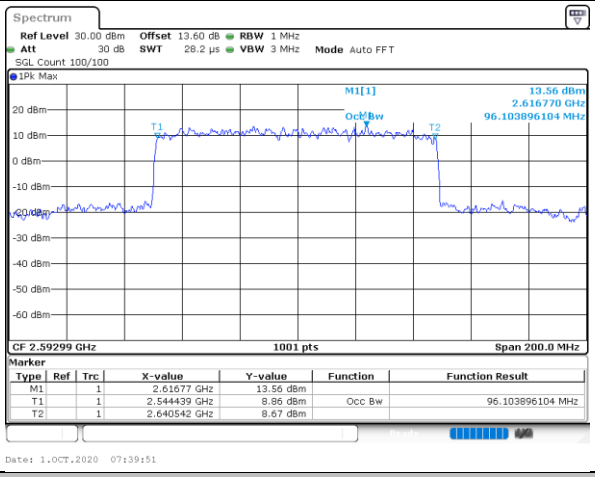


FR1 n41 / 100MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK



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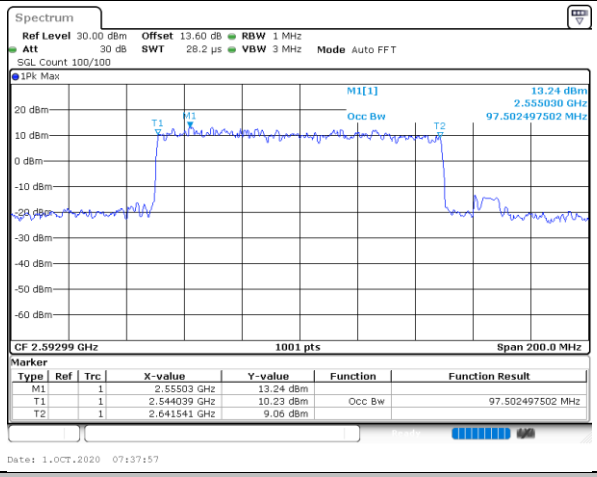

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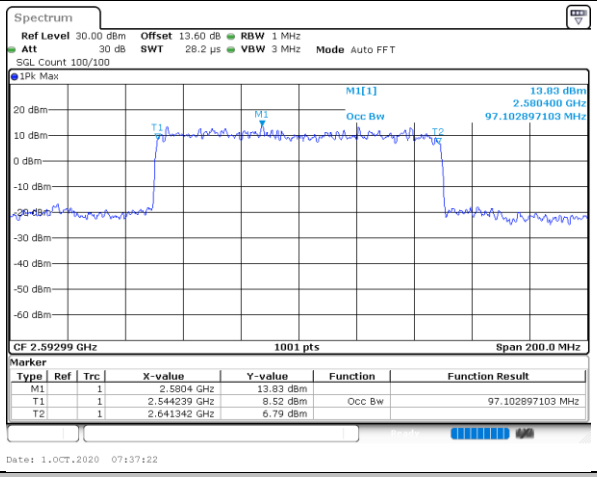

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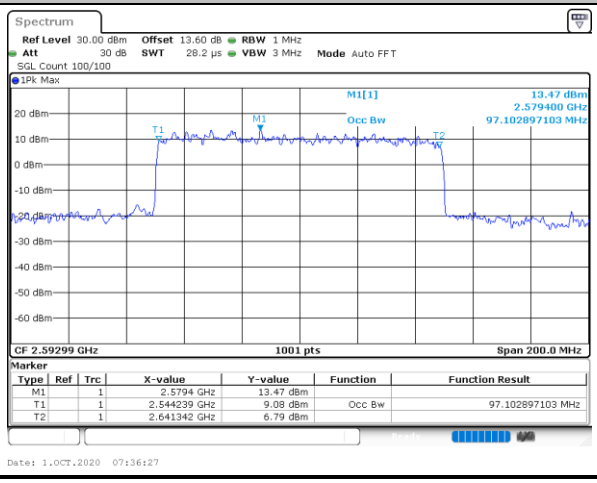

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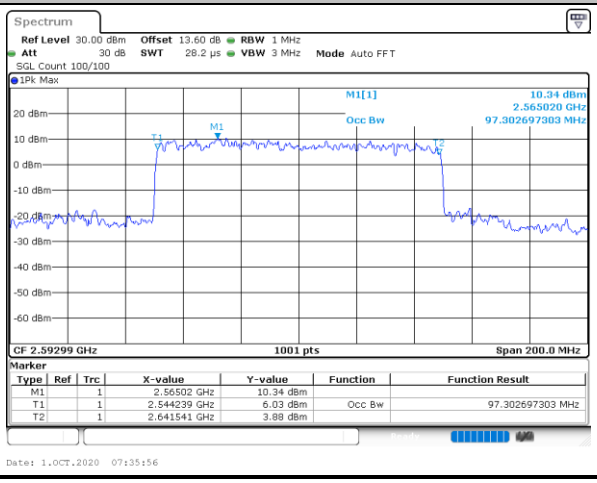
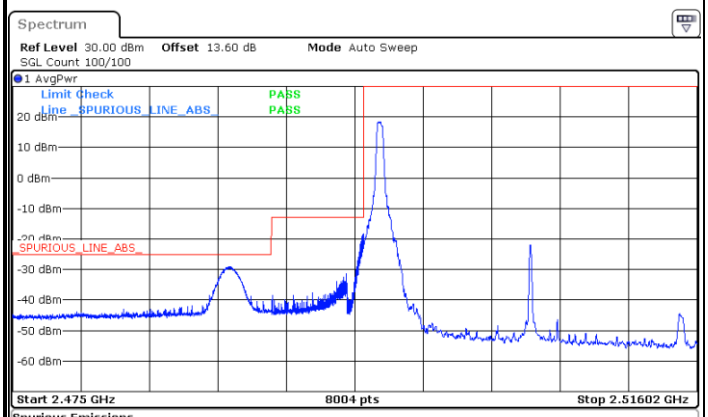


Conducted Band Edge

FR1 n41 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

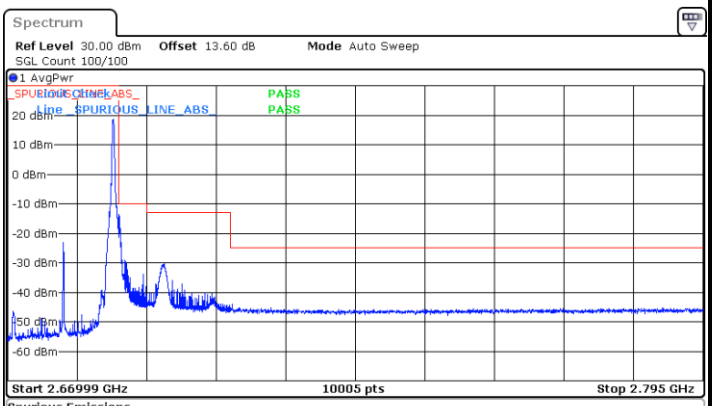


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48802 GHz	-29.06 dBm	-4.06 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49498 GHz	-31.23 dBm	-18.23 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49602 GHz	-18.31 dBm	-5.31 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49690 GHz	18.38 dBm	-11.62 dB

Date: 1.OCT.2020 11:07:14

Highest Band Edge / 1RBmax

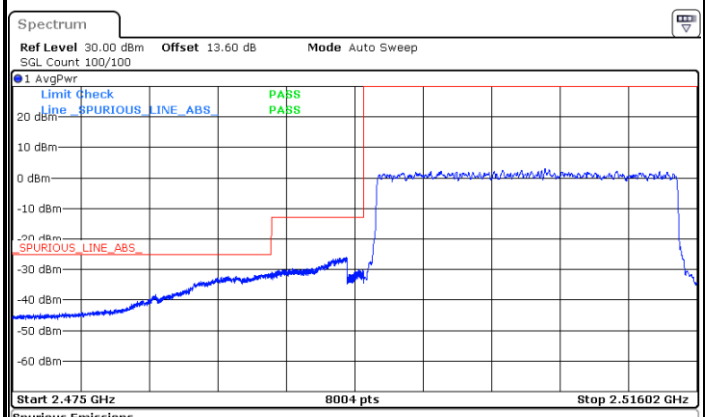


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68893 GHz	18.57 dBm	-11.43 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.68999 GHz	-13.51 dBm	-3.51 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-29.12 dBm	-19.12 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69813 GHz	-30.35 dBm	-17.35 dB
2.710 GHz	2.795 GHz	1.000 MHz	2.71039 GHz	-44.02 dBm	-19.02 dB

Date: 1.OCT.2020 11:34:29

Lowest Band Edge / Full RB

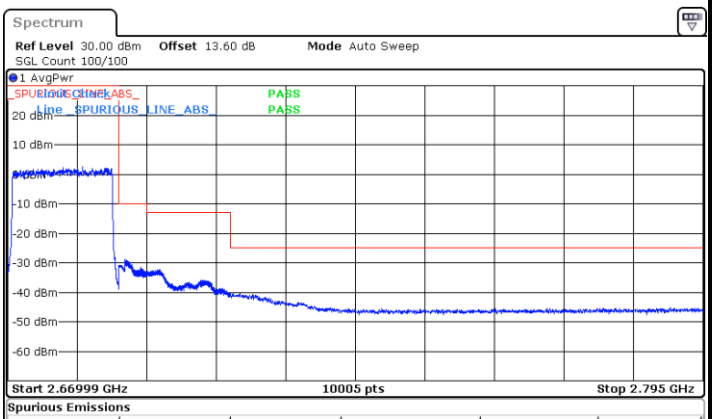


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-31.24 dBm	-6.24 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-26.00 dBm	-13.00 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49575 GHz	-29.89 dBm	-16.89 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50690 GHz	2.94 dBm	-27.06 dB

Date: 1.OCT.2020 11:09:31

Highest Band Edge / Full RB



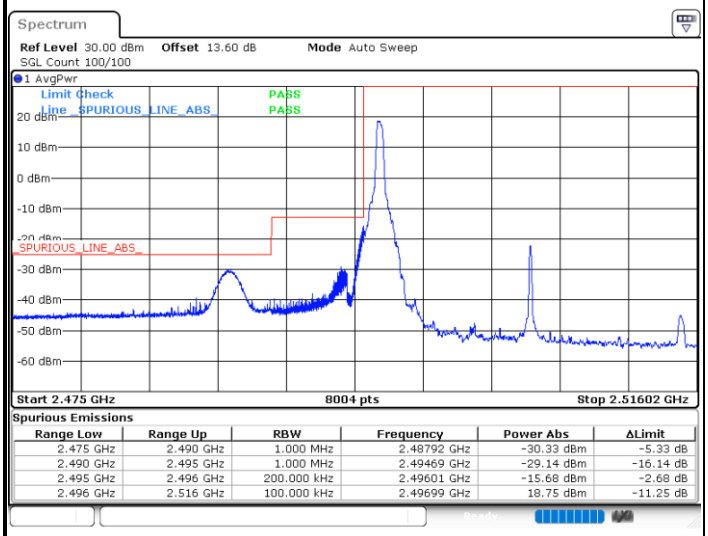
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68345 GHz	2.53 dBm	-27.47 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-30.78 dBm	-20.78 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-28.67 dBm	-18.67 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69714 GHz	-32.38 dBm	-19.38 dB
2.710 GHz	2.795 GHz	1.000 MHz	2.71184 GHz	-40.38 dBm	-15.38 dB

Date: 1.OCT.2020 11:33:59

FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

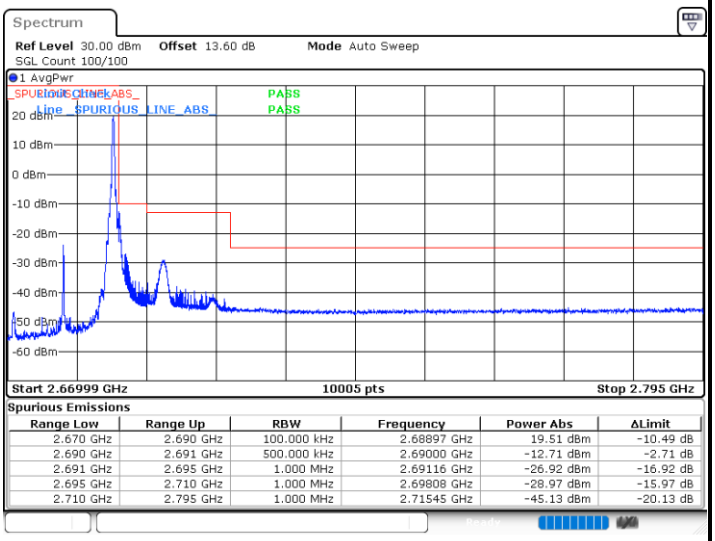


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48792 GHz	-30.33 dBm	-5.33 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49469 GHz	-29.14 dBm	-16.14 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49601 GHz	-15.68 dBm	-2.68 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49699 GHz	18.75 dBm	-11.25 dB

Date: 1.OCT.2020 11:11:28

Highest Band Edge / 1RBmax

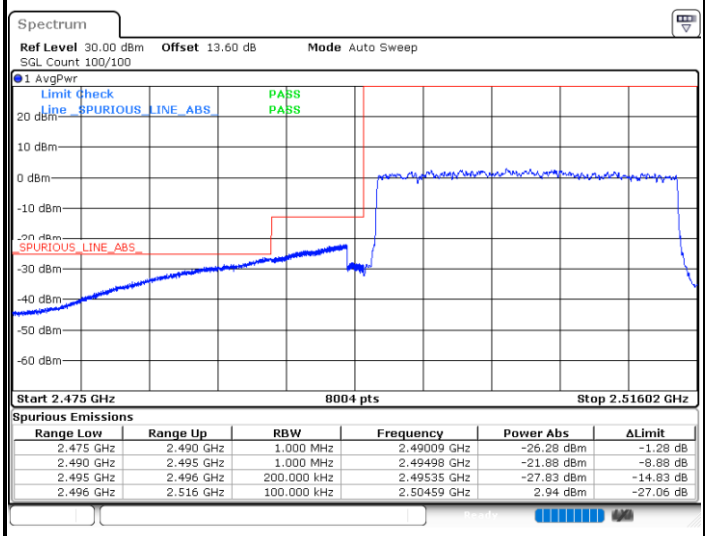


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68897 GHz	19.51 dBm	-10.49 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-12.71 dBm	-2.71 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69116 GHz	-26.92 dBm	-16.92 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69808 GHz	-28.97 dBm	-15.97 dB
2.710 GHz	2.795 GHz	1.000 MHz	2.71545 GHz	-45.13 dBm	-20.13 dB

Date: 1.OCT.2020 11:30:53

Lowest Band Edge / Full RB

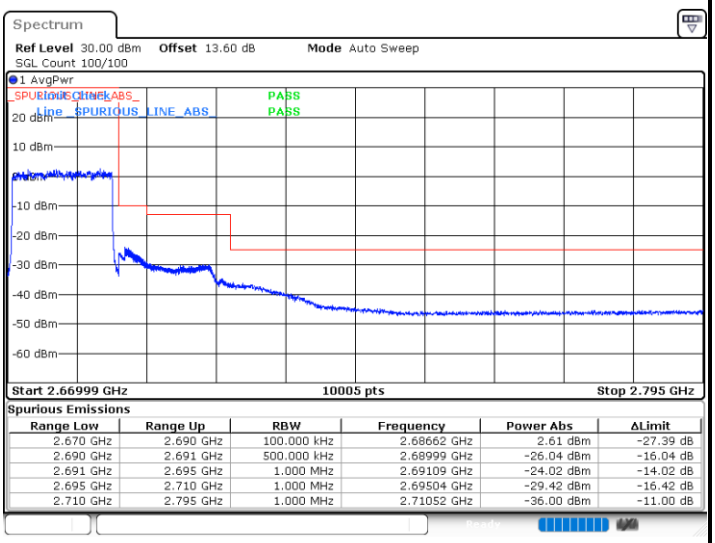


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49009 GHz	-26.28 dBm	-1.28 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49498 GHz	-21.88 dBm	-8.88 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49535 GHz	-27.83 dBm	-14.83 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50459 GHz	2.94 dBm	-27.06 dB

Date: 5.OCT.2020 10:50:04

Highest Band Edge / Full RB



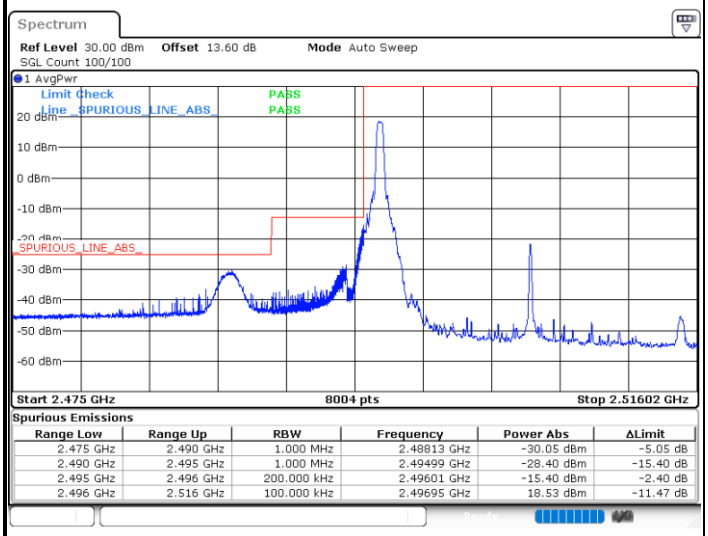
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68662 GHz	2.61 dBm	-27.39 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.68999 GHz	-26.04 dBm	-16.04 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-24.02 dBm	-14.02 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69504 GHz	-29.42 dBm	-16.42 dB
2.710 GHz	2.795 GHz	1.000 MHz	2.71052 GHz	-36.00 dBm	-11.00 dB

Date: 1.OCT.2020 11:30:17

FR1 n41 / 20MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

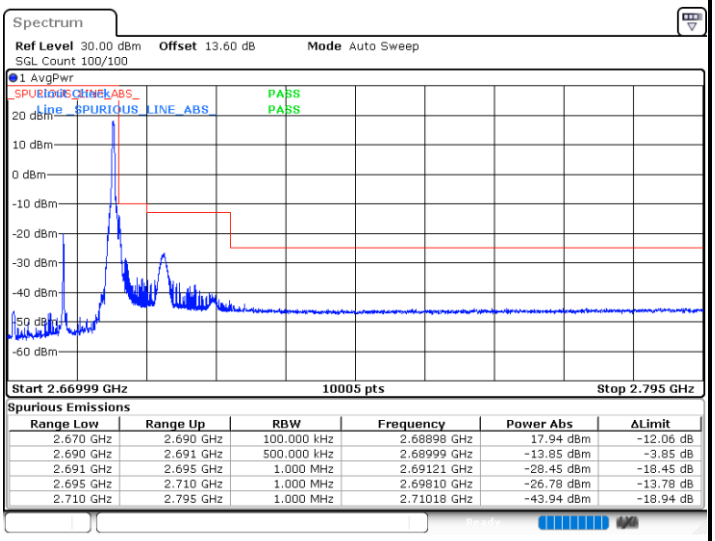


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48813 GHz	-30.05 dBm	-5.05 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-28.40 dBm	-15.40 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49601 GHz	-15.40 dBm	-2.40 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49695 GHz	18.53 dBm	-11.47 dB

Date: 1.OCT.2020 11:14:33

Highest Band Edge / 1RBmax

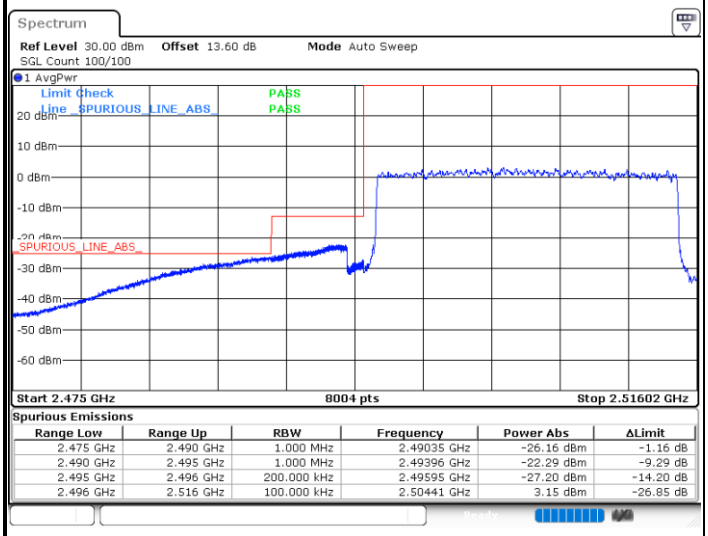


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68898 GHz	17.94 dBm	-12.06 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.68999 GHz	-13.85 dBm	-3.85 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69121 GHz	-28.45 dBm	-18.45 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69810 GHz	-26.78 dBm	-13.78 dB
2.710 GHz	2.795 GHz	1.000 MHz	2.71018 GHz	-43.94 dBm	-18.94 dB

Date: 1.OCT.2020 11:29:07

Lowest Band Edge / Full RB

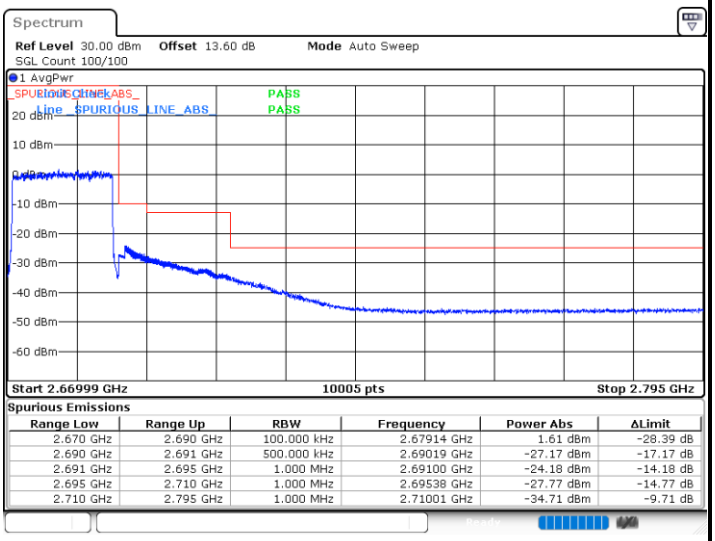


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49035 GHz	-26.16 dBm	-1.16 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49396 GHz	-22.29 dBm	-9.29 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49595 GHz	-27.20 dBm	-14.20 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50441 GHz	3.15 dBm	-26.85 dB

Date: 1.OCT.2020 11:13:58

Highest Band Edge / Full RB



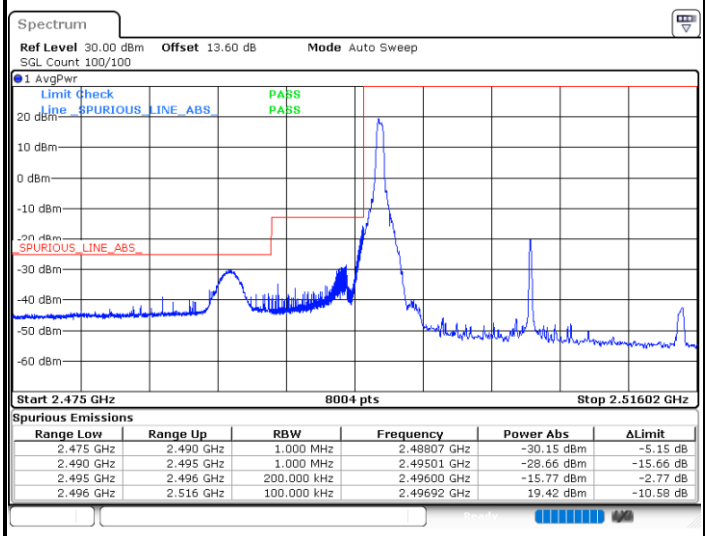
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67914 GHz	1.61 dBm	-28.39 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69019 GHz	-27.17 dBm	-17.17 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69100 GHz	-24.18 dBm	-14.18 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69538 GHz	-27.77 dBm	-14.77 dB
2.710 GHz	2.795 GHz	1.000 MHz	2.71001 GHz	-34.71 dBm	-9.71 dB

Date: 1.OCT.2020 11:29:40

FR1 n41 / 20MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

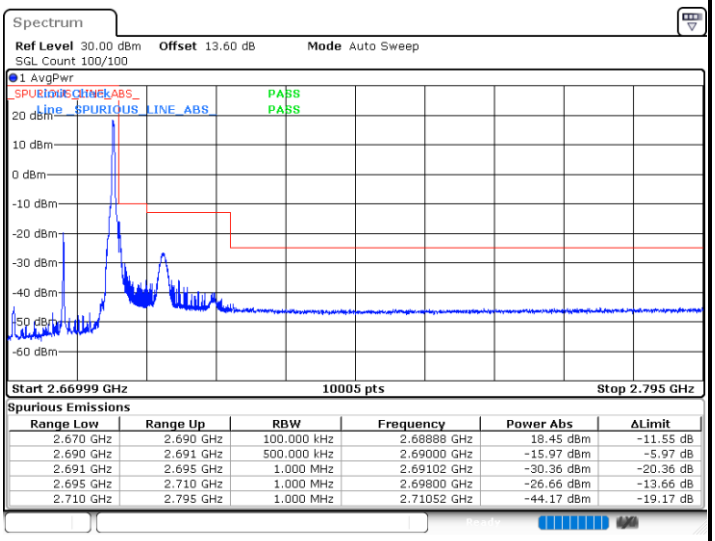


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48807 GHz	-30.15 dBm	-5.15 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49501 GHz	-28.66 dBm	-15.66 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49600 GHz	-15.77 dBm	-2.77 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49692 GHz	19.42 dBm	-10.58 dB

Date: 1.OCT.2020 11:20:22

Highest Band Edge / 1RBmax

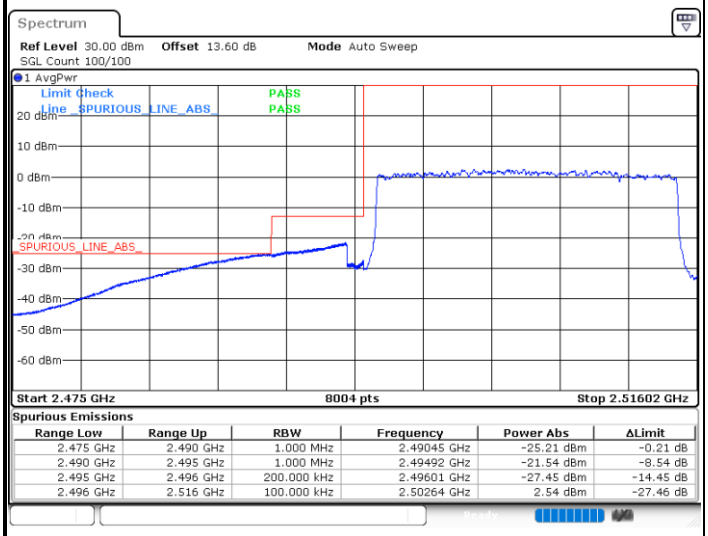


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68888 GHz	18.45 dBm	-11.55 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-15.97 dBm	-5.97 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-30.36 dBm	-20.36 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69800 GHz	-26.66 dBm	-13.66 dB
2.710 GHz	2.795 GHz	1.000 MHz	2.71052 GHz	-44.17 dBm	-19.17 dB

Date: 1.OCT.2020 11:28:26

Lowest Band Edge / Full RB

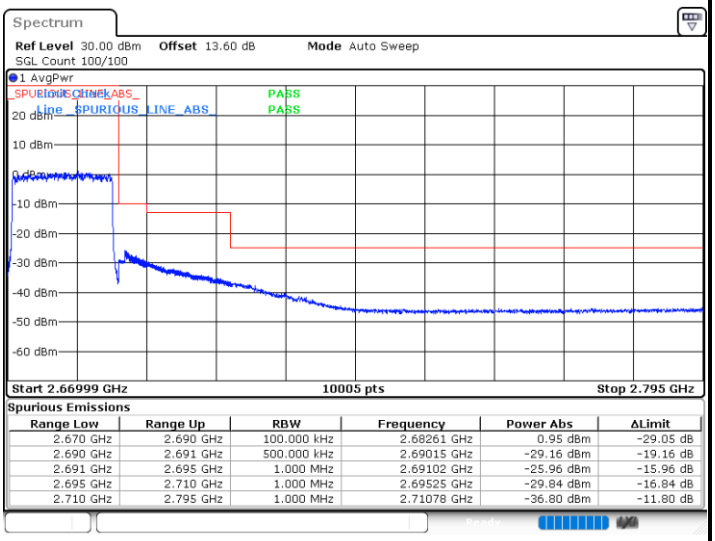


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49045 GHz	-25.21 dBm	-0.21 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49492 GHz	-21.54 dBm	-8.54 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49601 GHz	-27.45 dBm	-14.45 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50264 GHz	2.54 dBm	-27.46 dB

Date: 1.OCT.2020 11:21:42

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68261 GHz	0.95 dBm	-29.05 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69015 GHz	-29.16 dBm	-19.16 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-25.96 dBm	-15.96 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69525 GHz	-29.84 dBm	-16.84 dB
2.710 GHz	2.795 GHz	1.000 MHz	2.71078 GHz	-36.80 dBm	-11.80 dB

Date: 1.OCT.2020 11:27:45