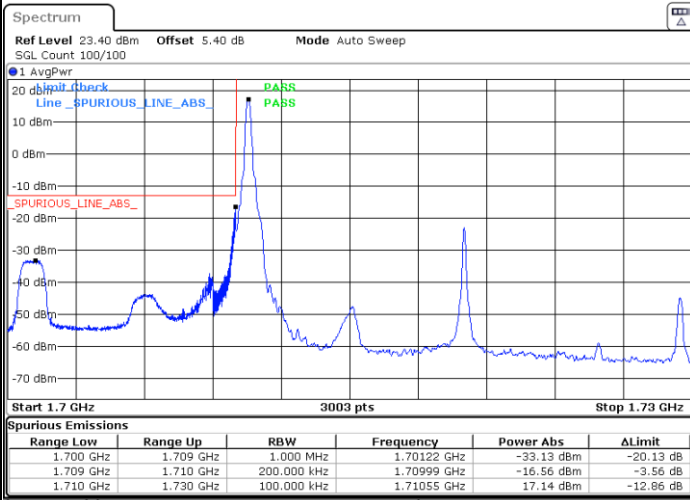




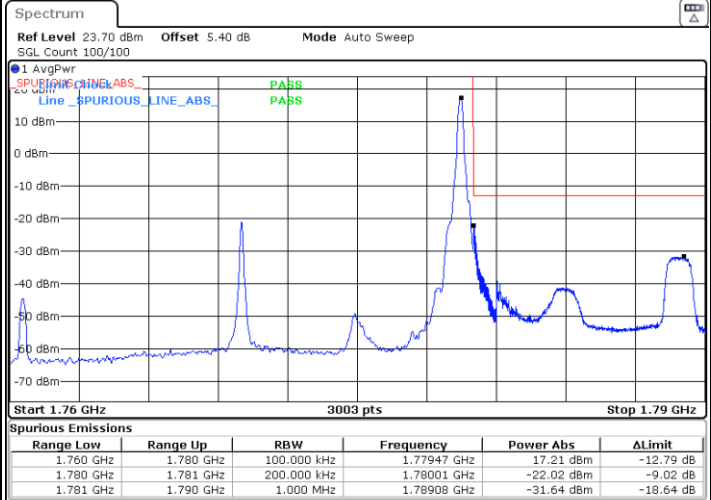
FR1 n66 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



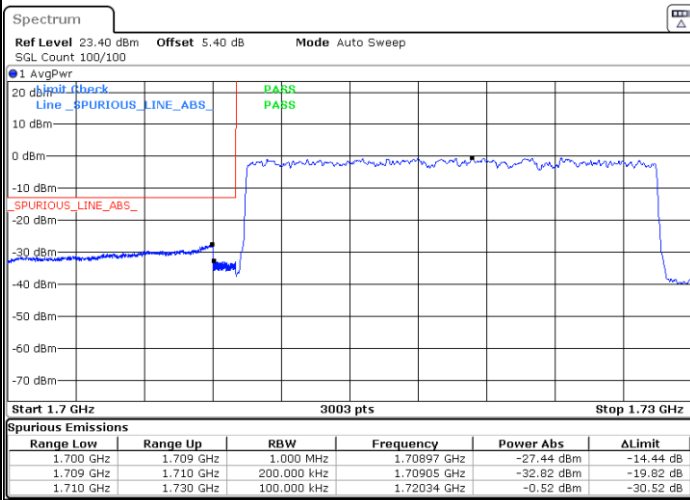
Date: 2.FEB.2022 23:24:31



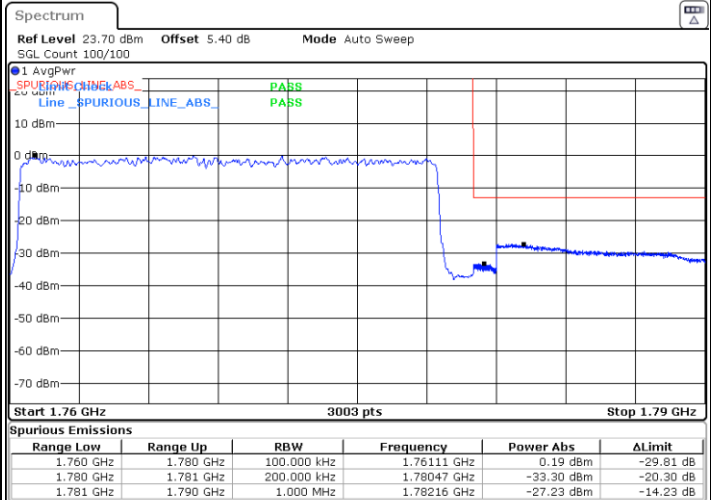
Date: 2.FEB.2022 23:38:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2022 23:22:06



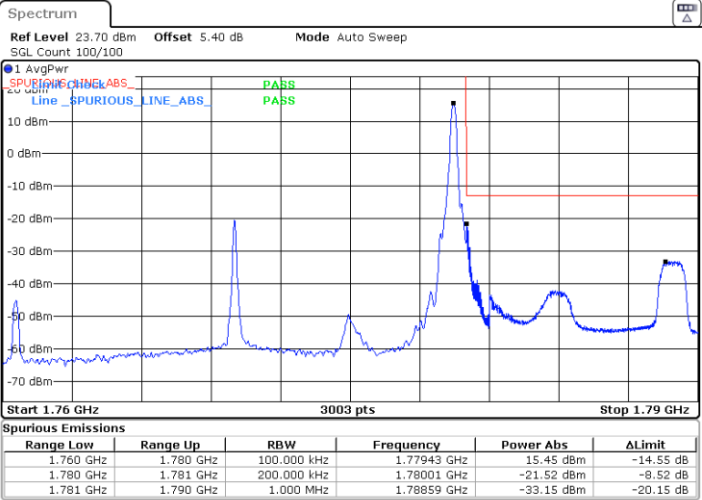
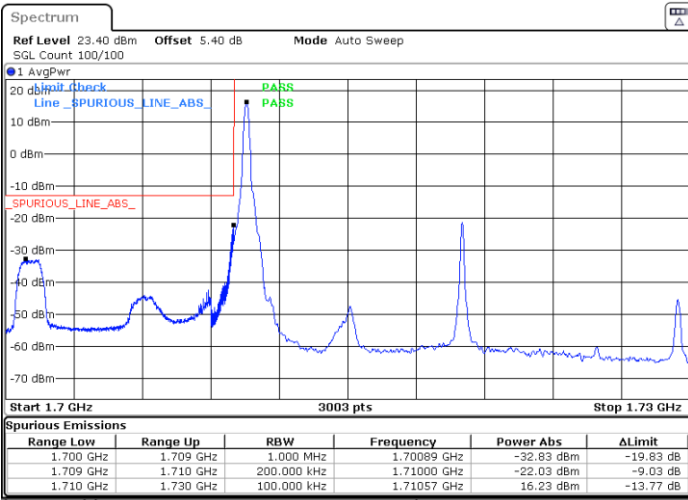
Date: 2.FEB.2022 23:32:59



FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

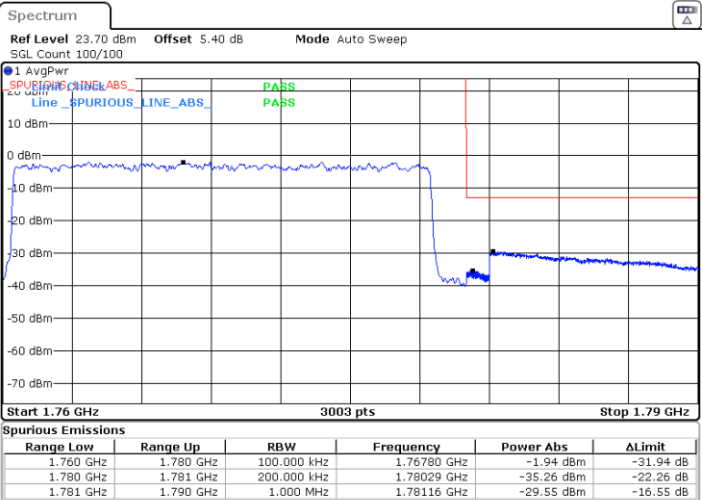
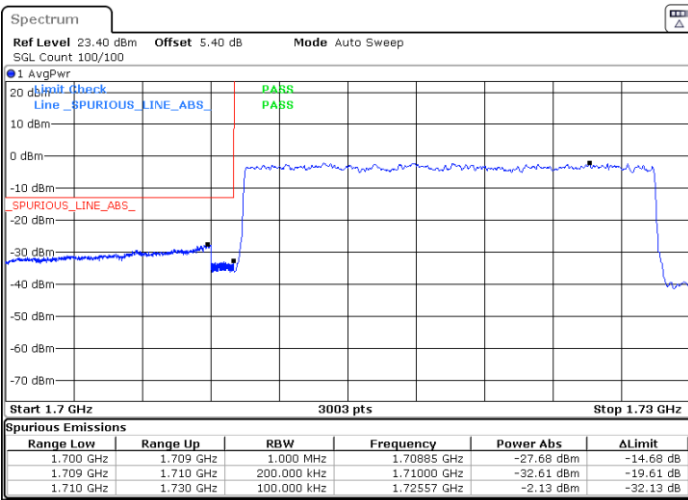


Date: 2.FEB.2022 23:23:50

Date: 2.FEB.2022 23:38:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2022 23:22:26

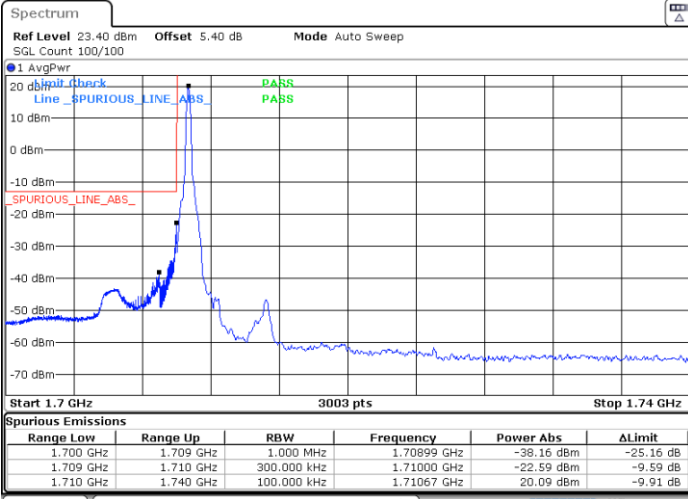
Date: 2.FEB.2022 23:37:40



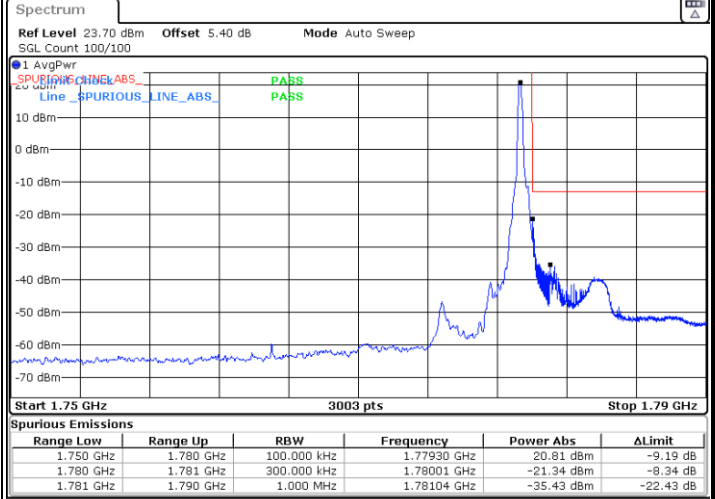
FR1 n66 / 30MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



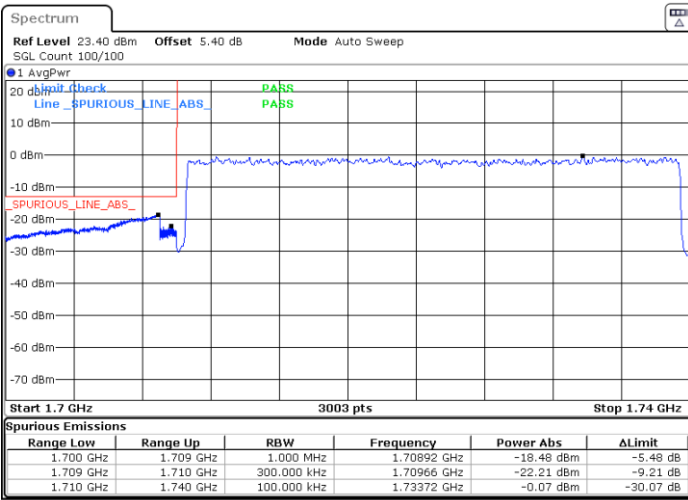
Date: 3.FEB.2022 01:58:38



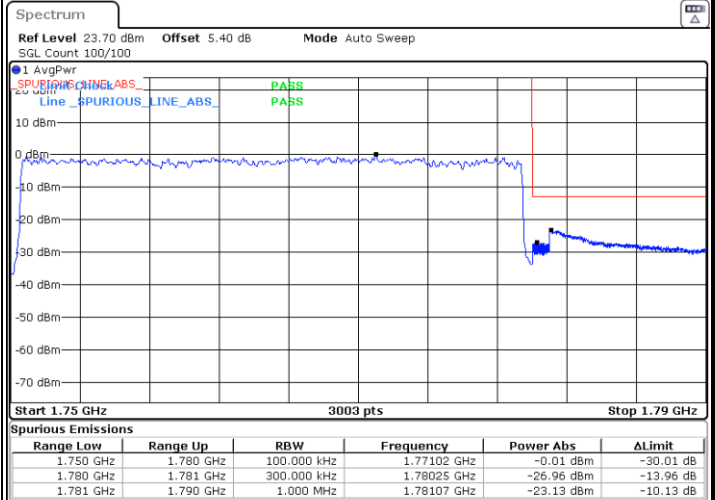
Date: 3.FEB.2022 02:08:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.FEB.2022 01:56:02



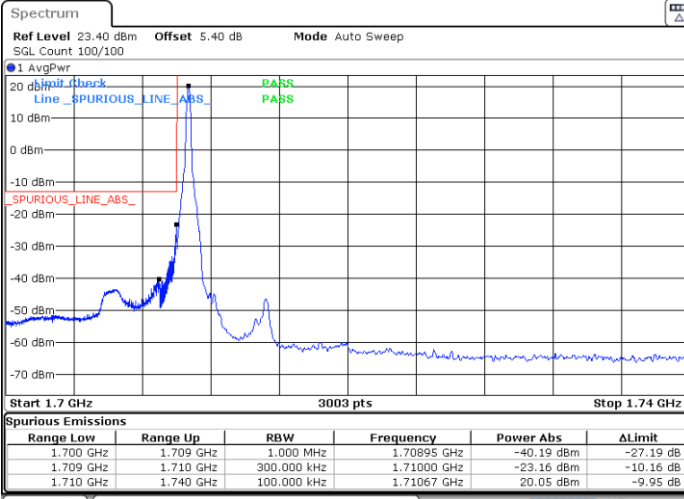
Date: 3.FEB.2022 02:03:12



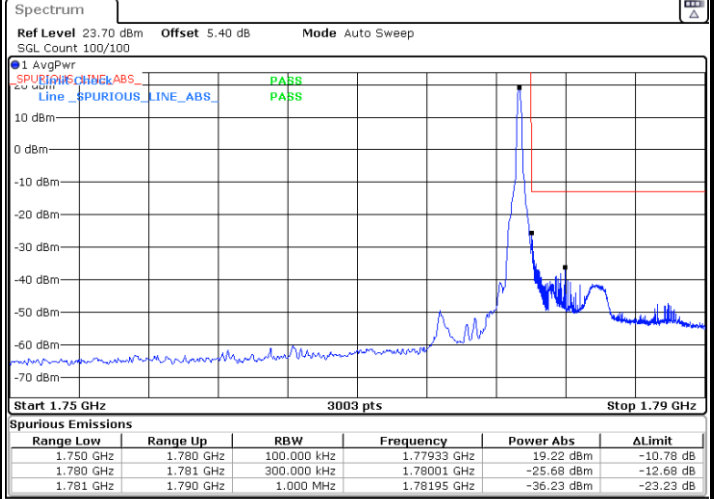
FR1 n66 / 30MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



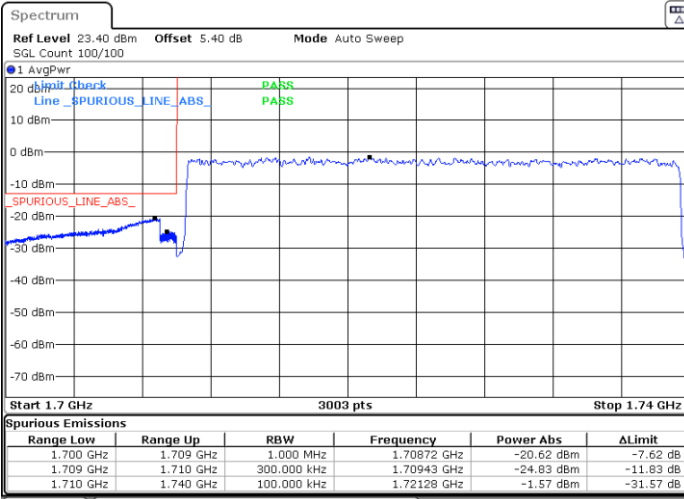
Date: 3.FEB.2022 01:58:52



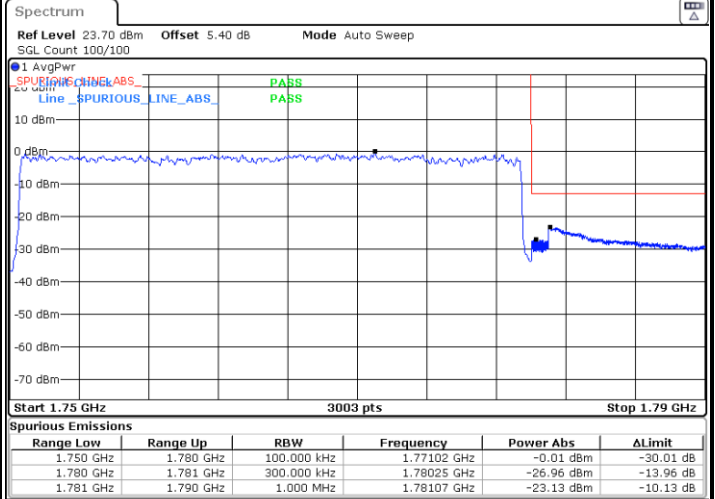
Date: 3.FEB.2022 02:08:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.FEB.2022 01:56:21



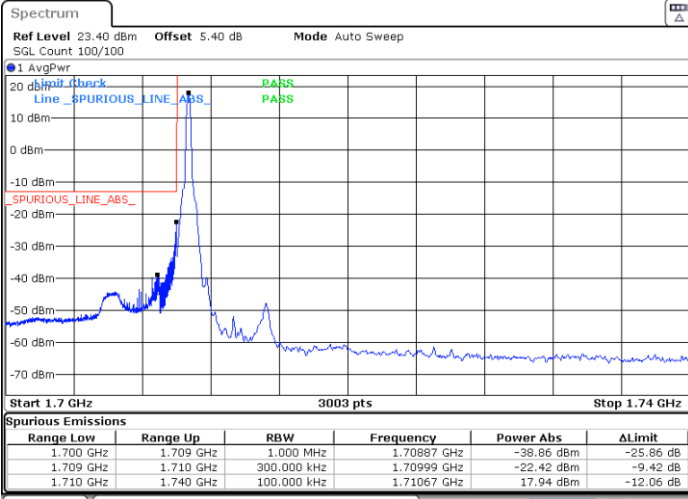
Date: 3.FEB.2022 02:03:12



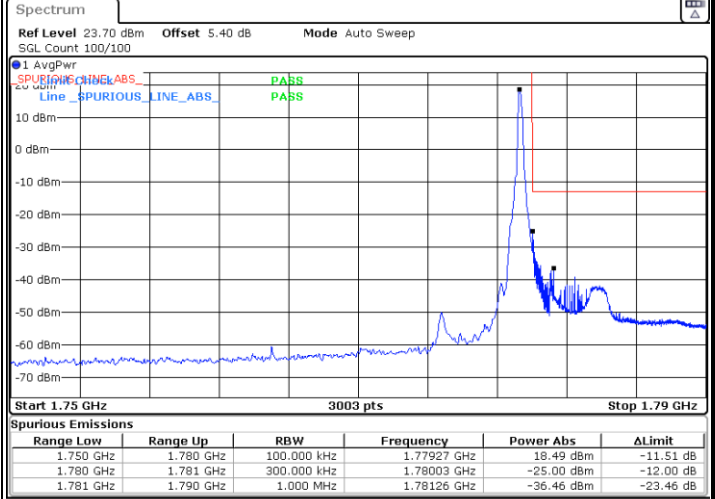
FR1 n66 / 30MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



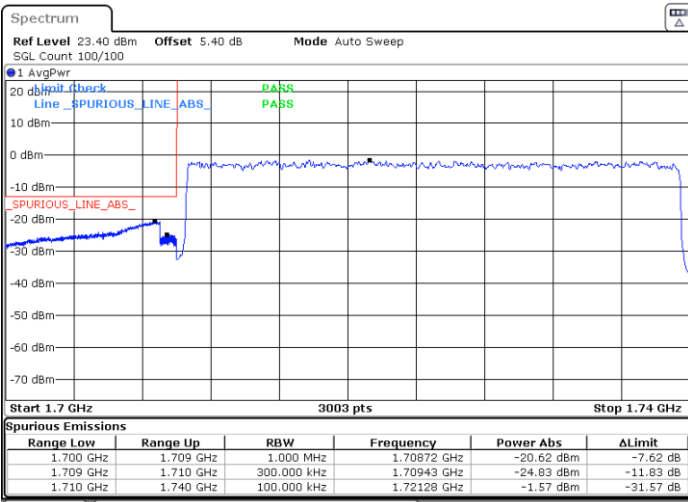
Date: 3.FEB.2022 01:57:57



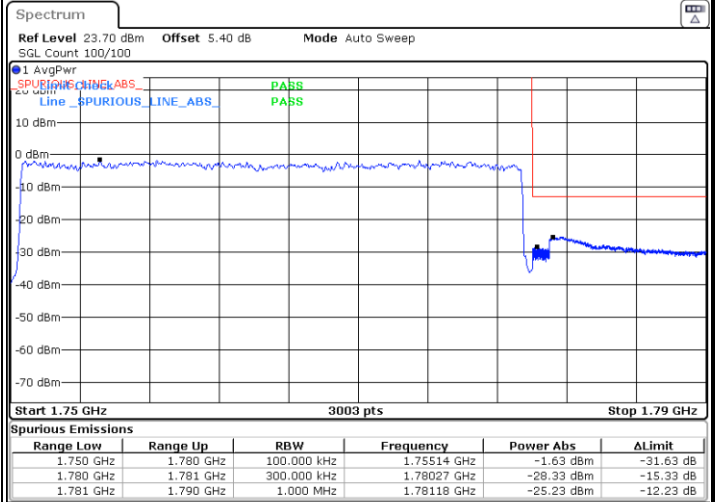
Date: 3.FEB.2022 02:07:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.FEB.2022 01:56:21



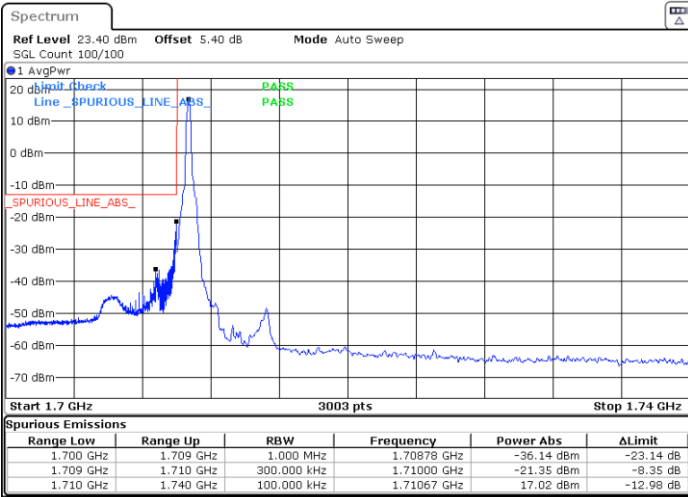
Date: 3.FEB.2022 02:04:12



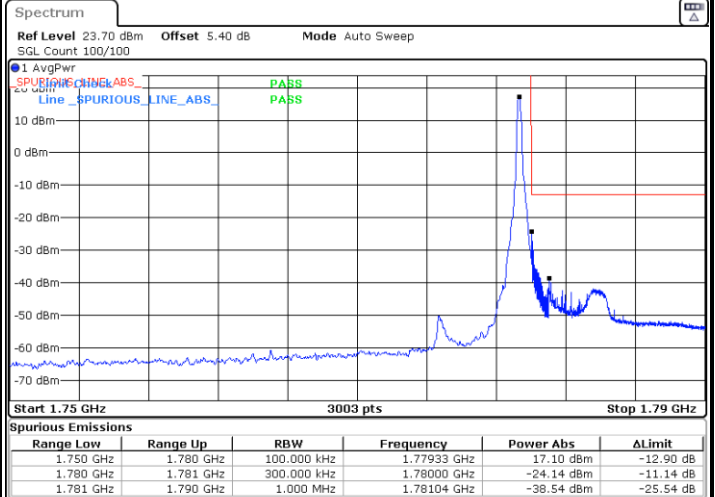
FR1 n66 / 30MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



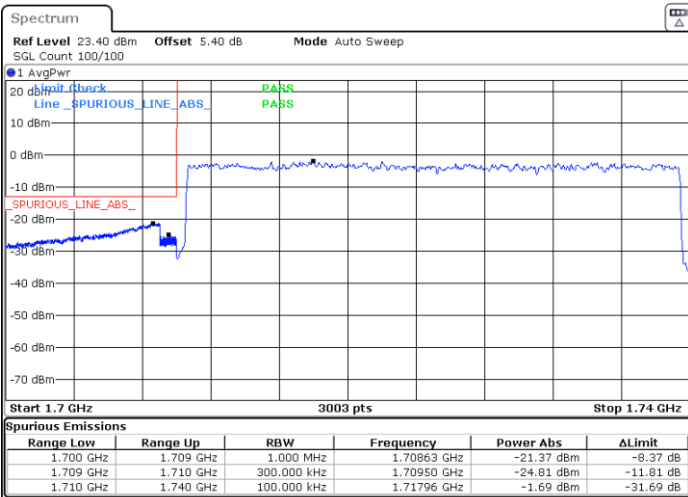
Date: 3.FEB.2022 01:57:39



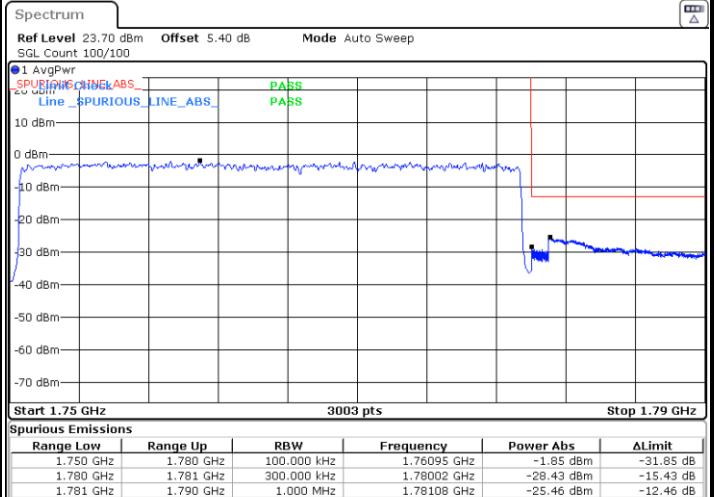
Date: 3.FEB.2022 02:06:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.FEB.2022 01:56:39



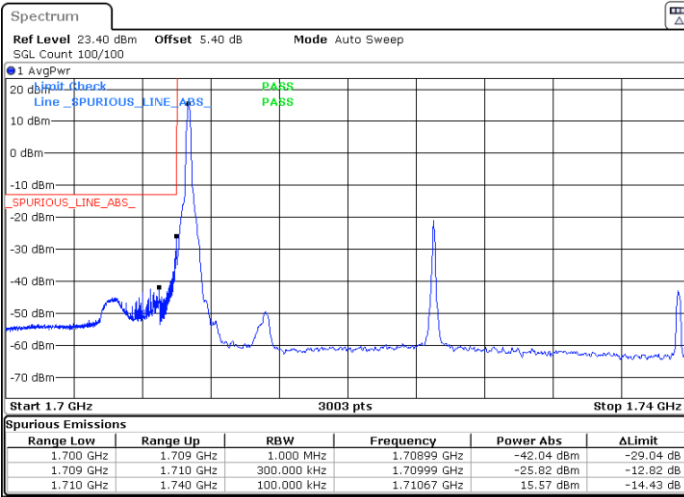
Date: 3.FEB.2022 02:04:40



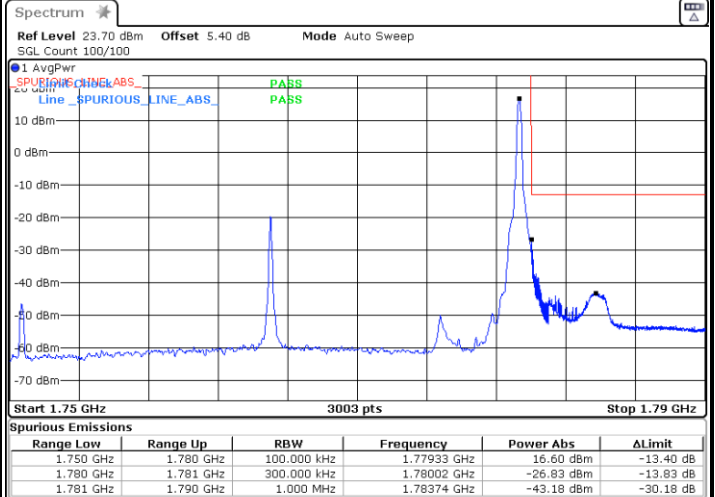
FR1 n66 / 30MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



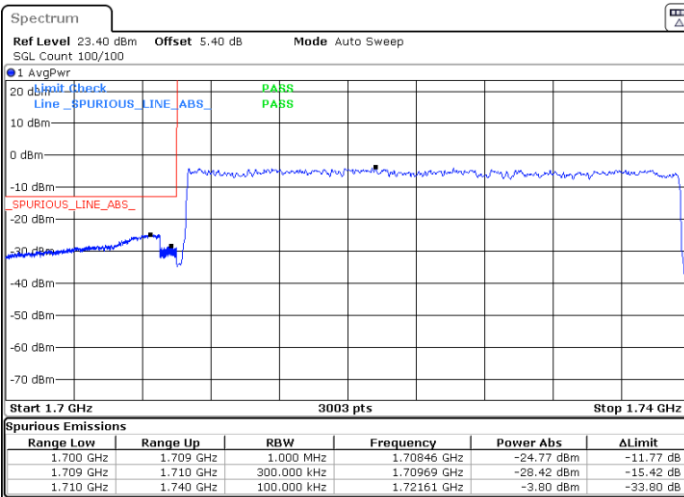
Date: 3.FEB.2022 01:57:21



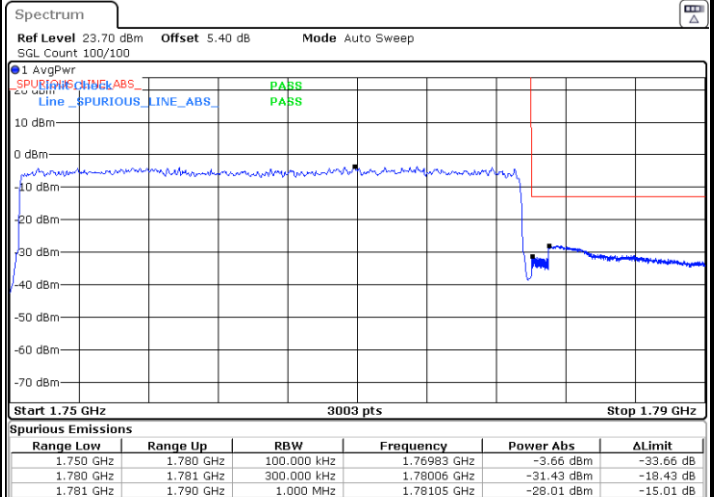
Date: 3.FEB.2022 02:06:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.FEB.2022 01:57:02



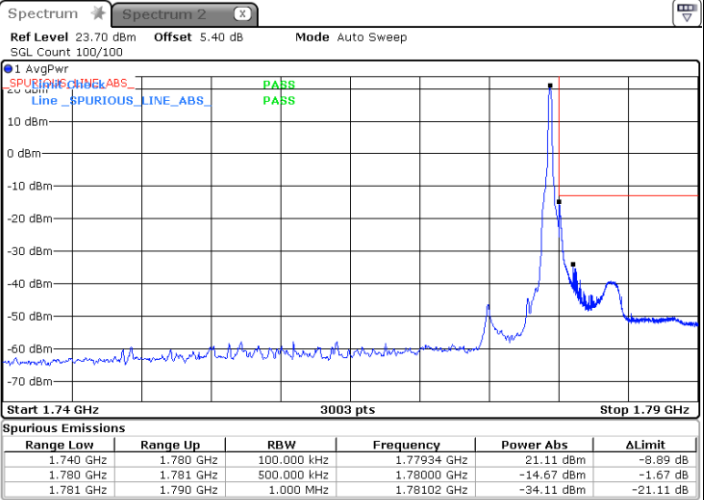
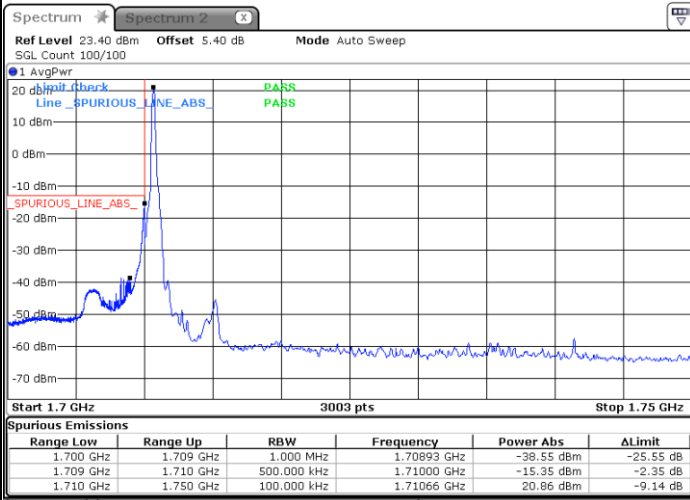
Date: 3.FEB.2022 02:05:12



FR1 n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

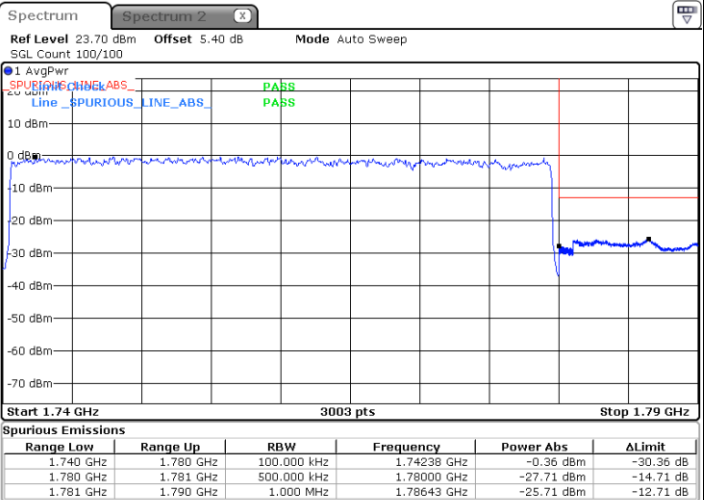
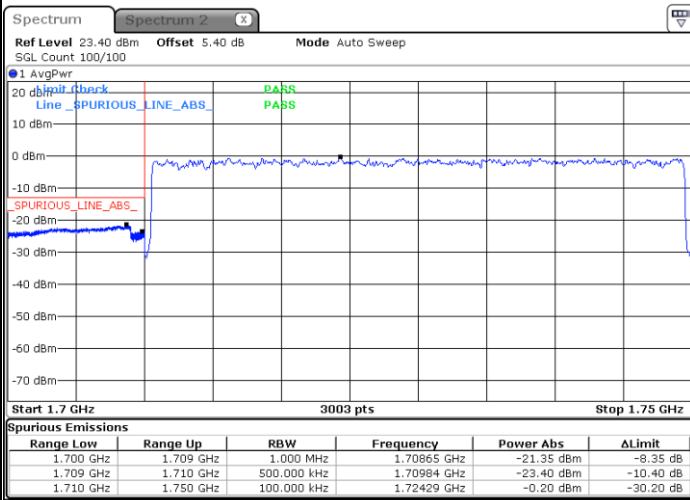


Date: 9.FEB.2022 10:21:10

Date: 9.FEB.2022 10:37:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.FEB.2022 09:48:54

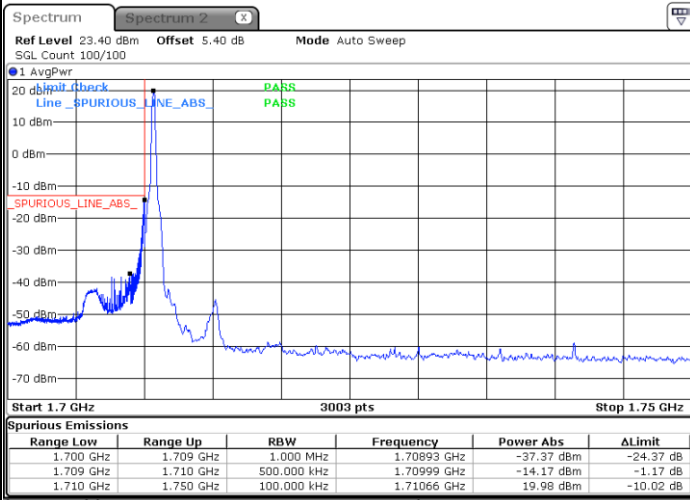
Date: 9.FEB.2022 10:24:54



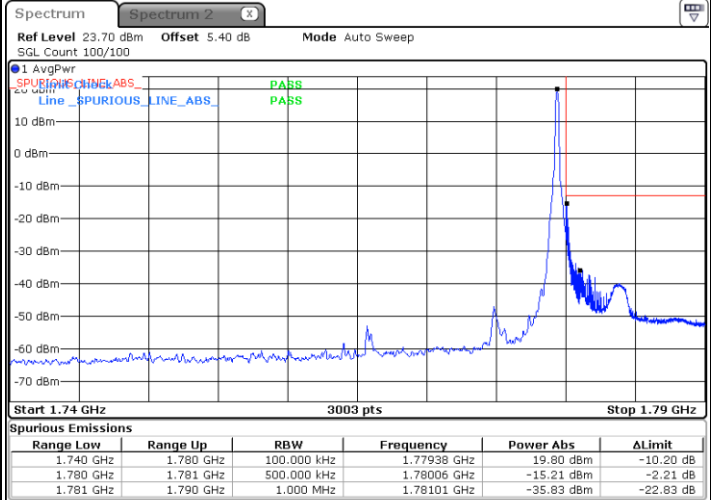
FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



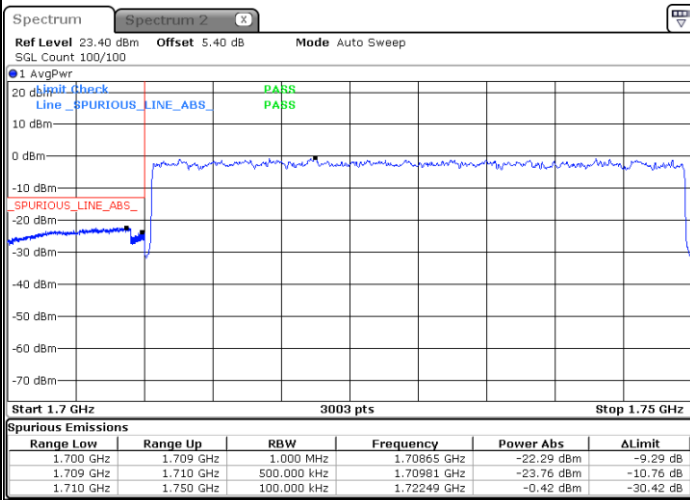
Date: 9.FEB.2022 10:21:42



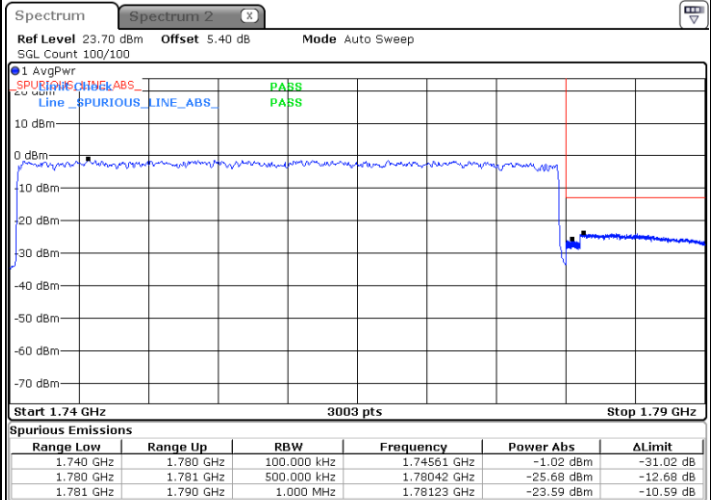
Date: 9.FEB.2022 10:36:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.FEB.2022 09:49:16



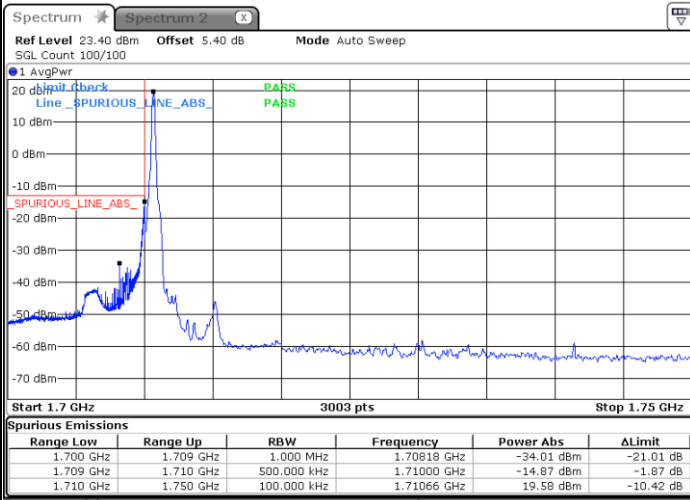
Date: 9.FEB.2022 10:25:56



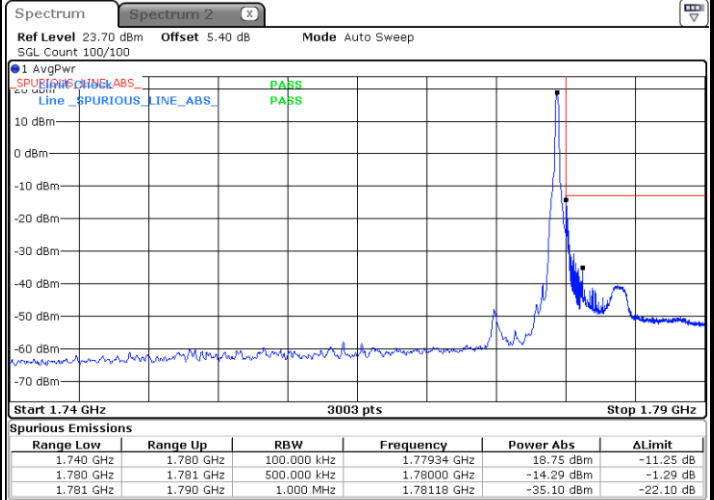
FR1 n66 / 40MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



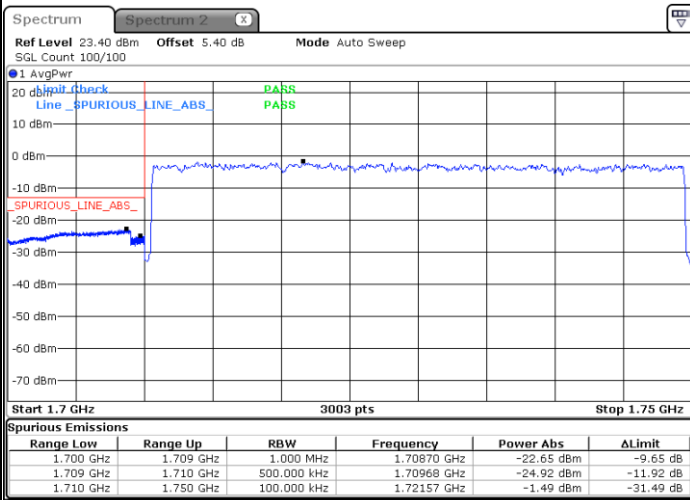
Date: 9.FEB.2022 10:00:23



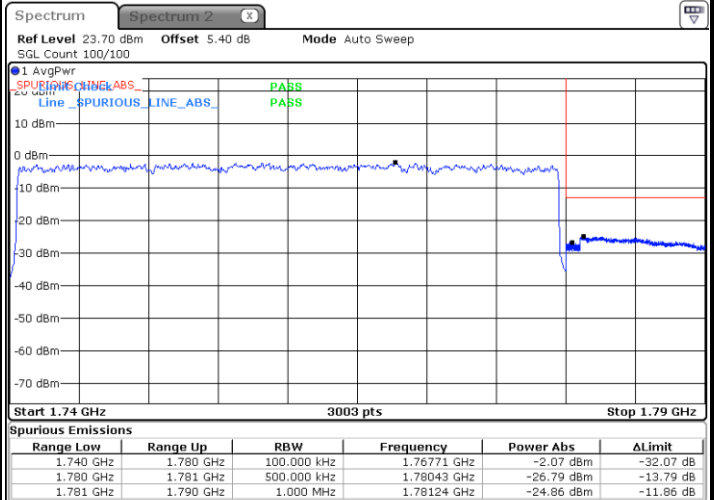
Date: 9.FEB.2022 10:33:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.FEB.2022 09:51:00



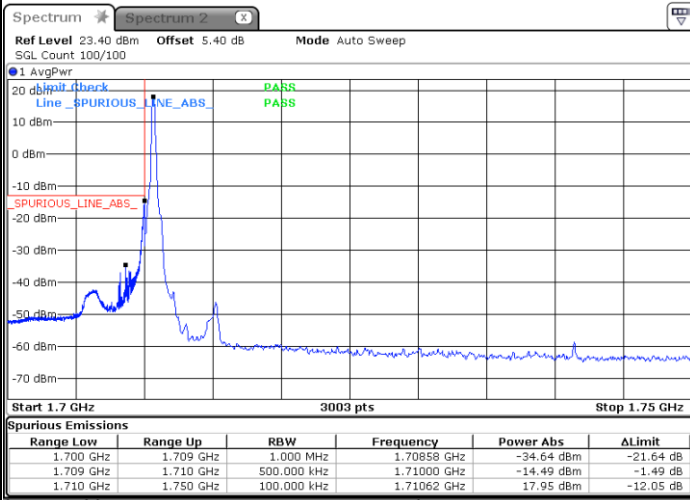
Date: 9.FEB.2022 10:26:42



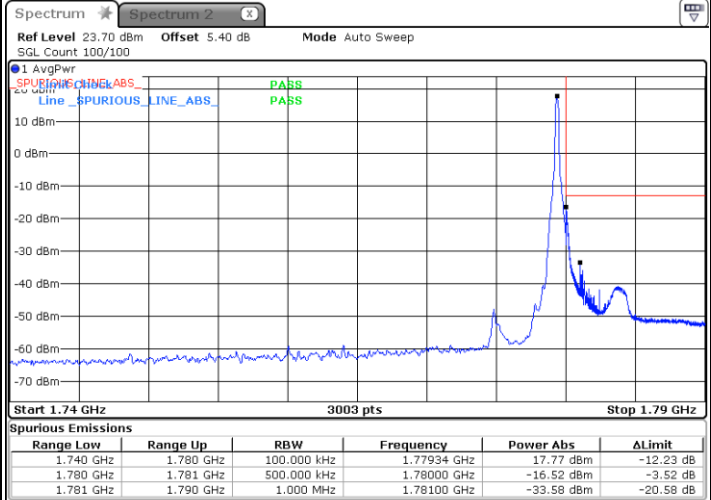
FR1 n66 / 40MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



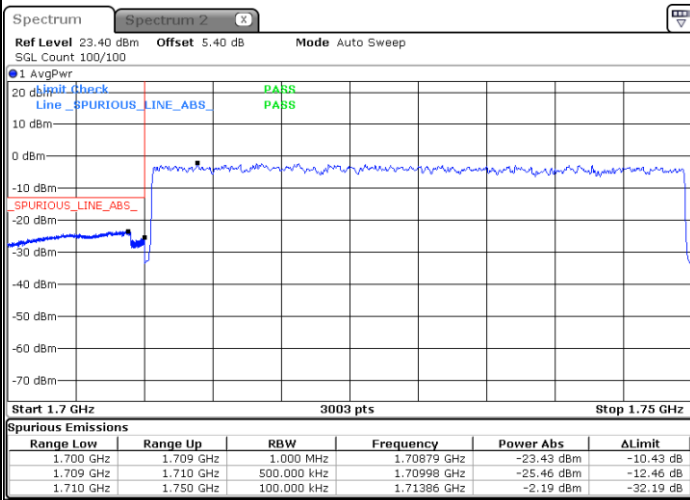
Date: 9.FEB.2022 09:57:16



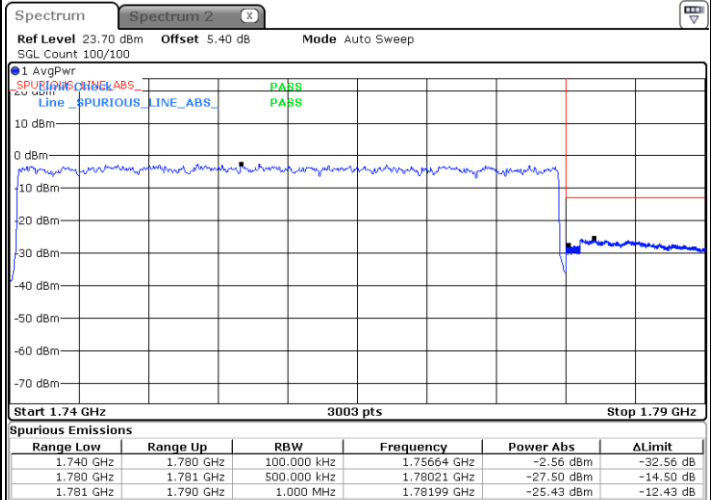
Date: 9.FEB.2022 10:32:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.FEB.2022 09:52:16



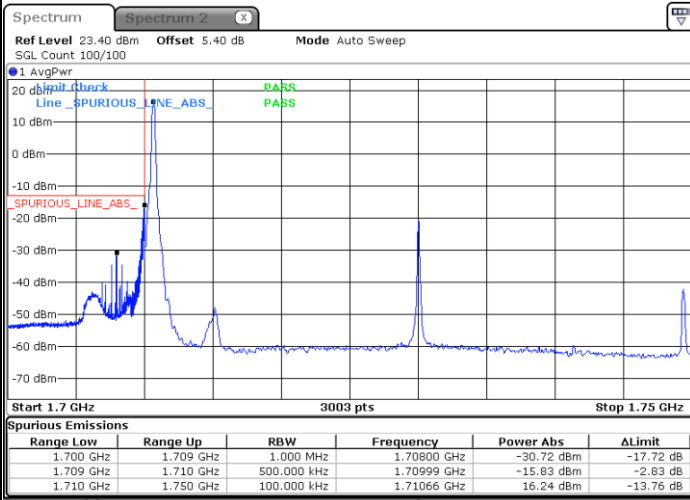
Date: 9.FEB.2022 10:27:35



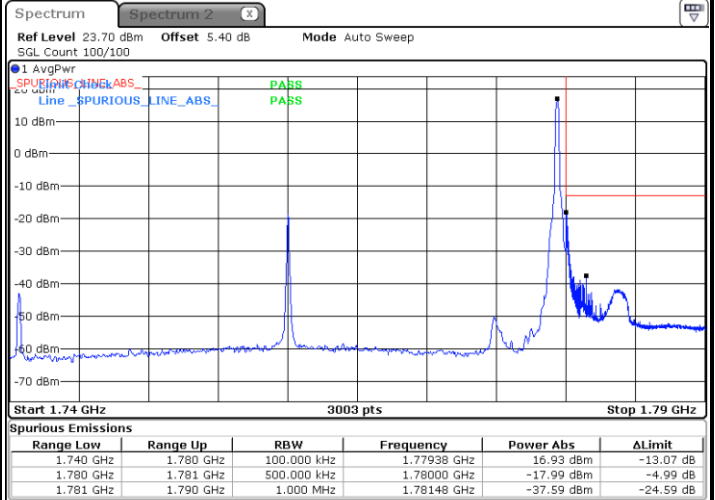
FR1 n66 / 40MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



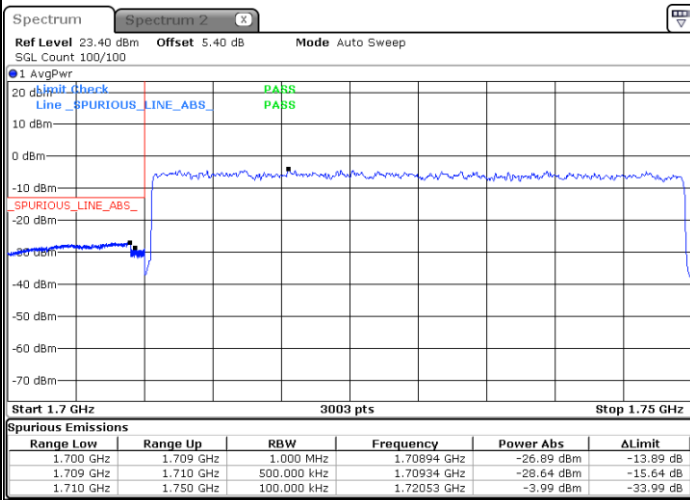
Date: 9.FEB.2022 09:55:09



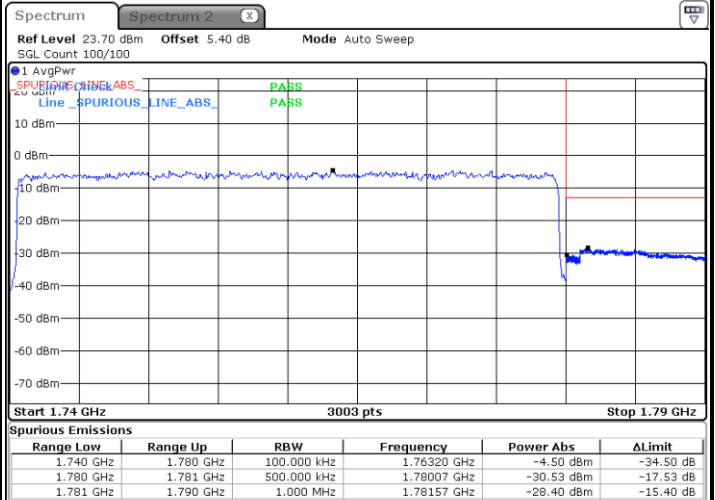
Date: 9.FEB.2022 10:29:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.FEB.2022 09:53:33



Date: 9.FEB.2022 10:28:16

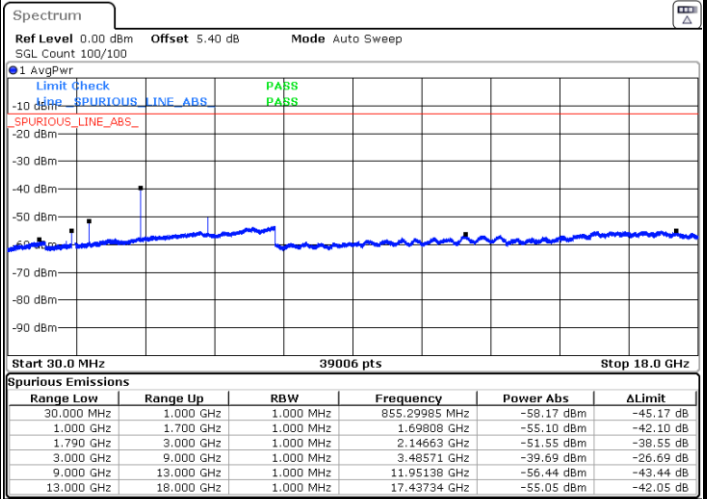
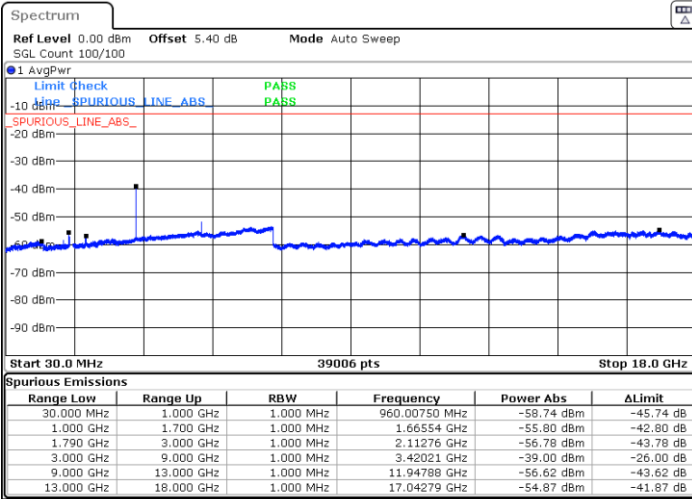


Conducted Spurious Emission

FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

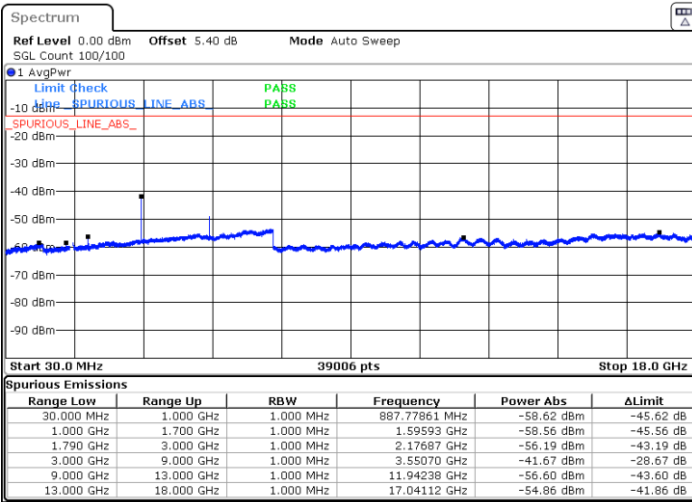
Middle Channel / 1RB1



Date: 2 FEB 2022 20:37:20

Date: 2 FEB 2022 20:38:36

Highest Channel / 1RB1



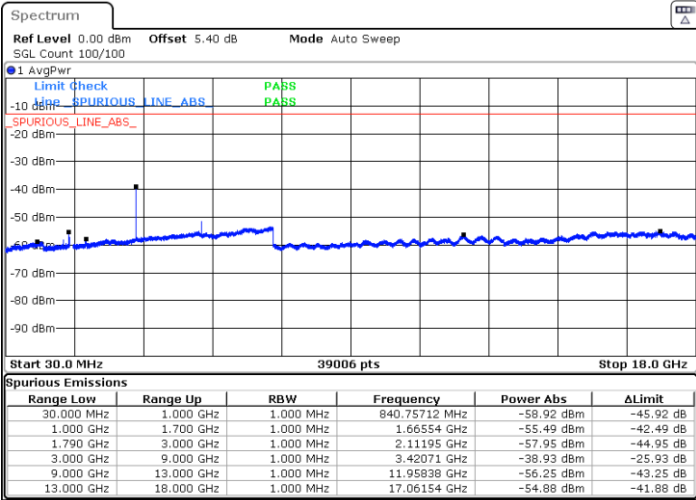
Date: 2 FEB 2022 20:40:10



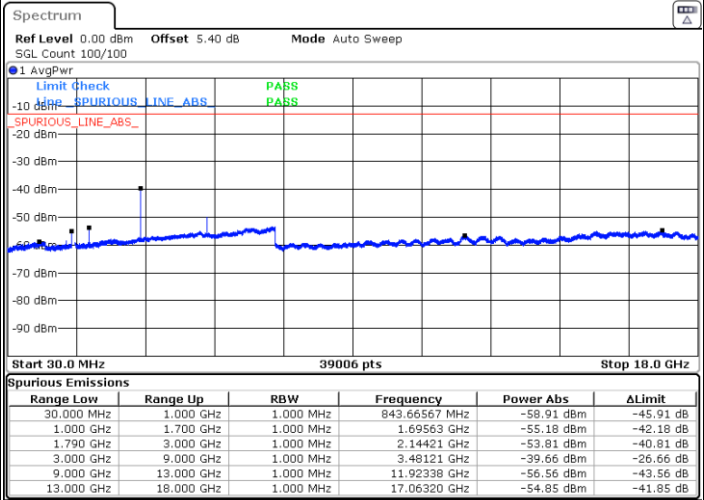
FR1 n66 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

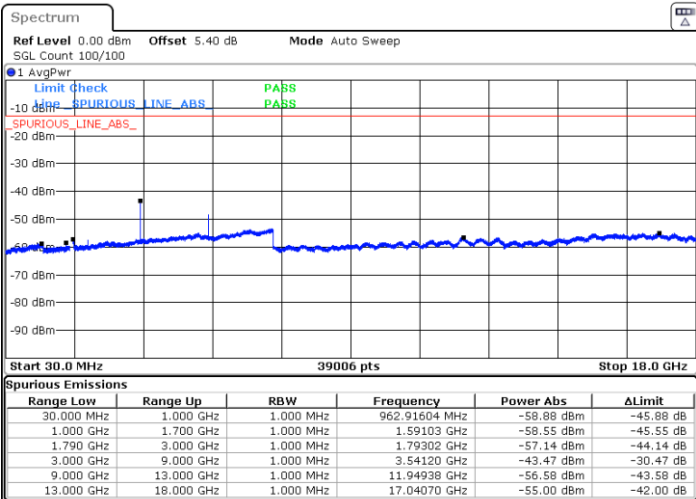


Date: 2 FEB 2022 21:04:28



Date: 2 FEB 2022 21:05:24

Highest Channel / 1RB1



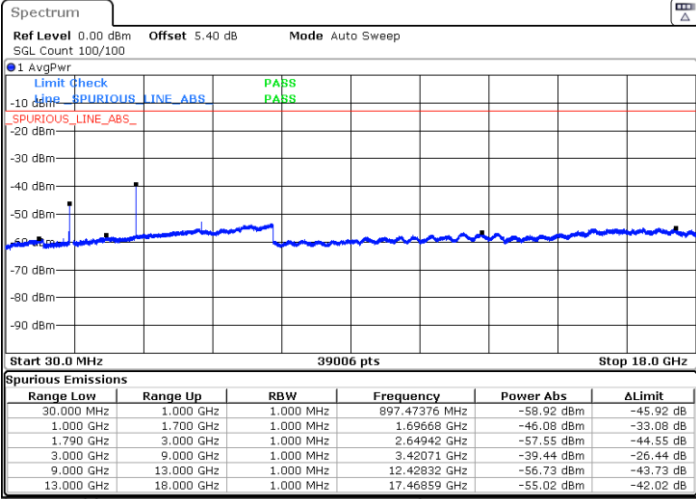
Date: 2 FEB 2022 21:06:21



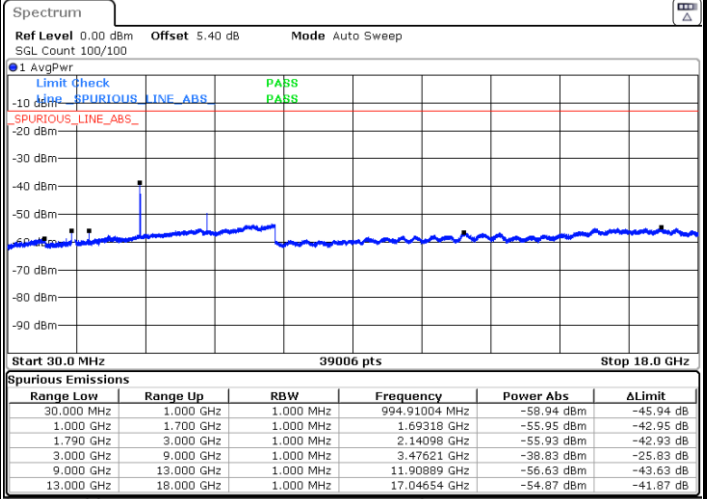
FR1 n66 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

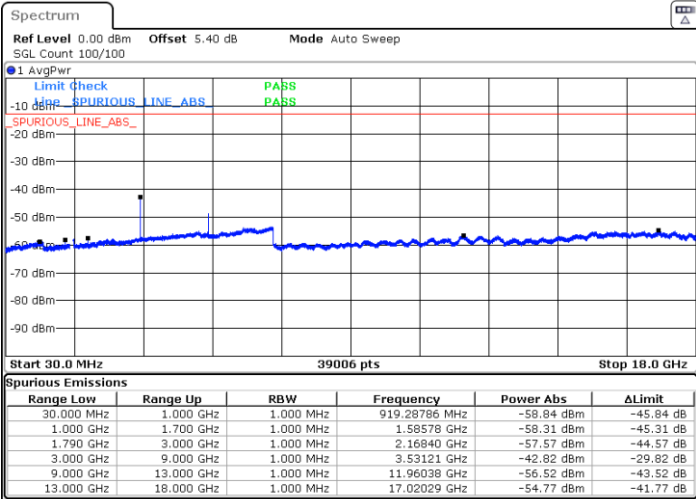


Date: 2 FEB 2022 22:09:13



Date: 2 FEB 2022 22:11:05

Highest Channel / 1RB1



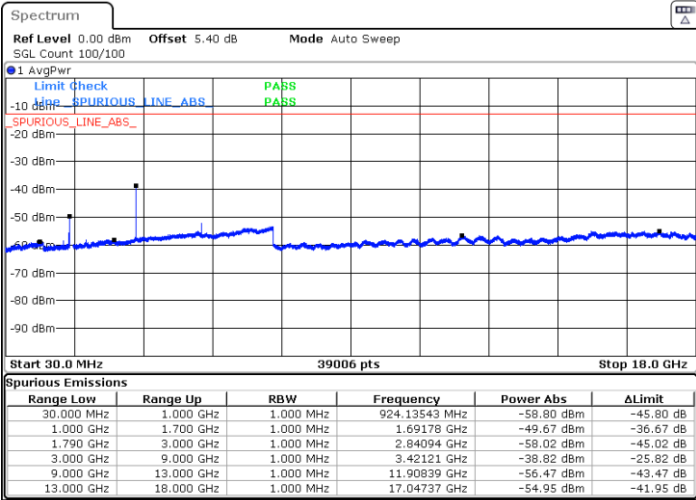
Date: 2 FEB 2022 22:12:05



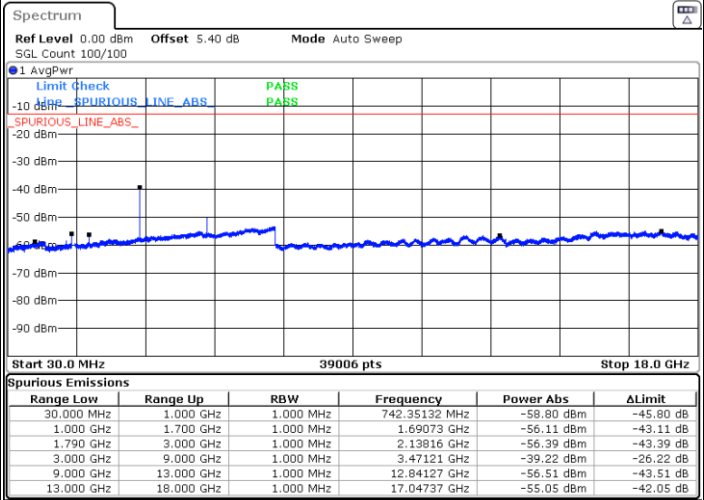
FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

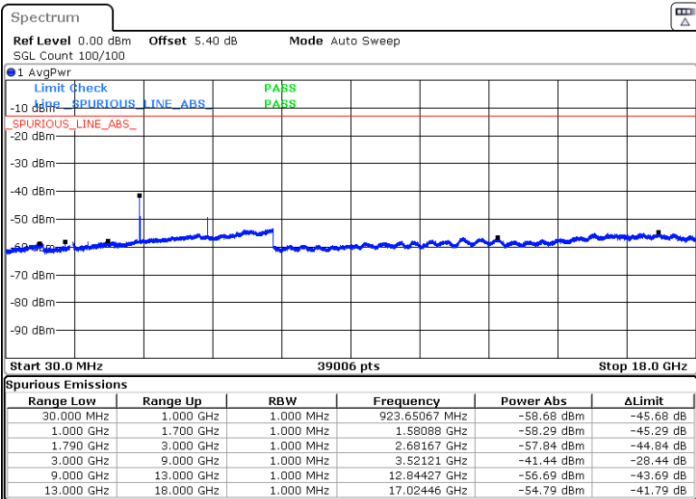


Date: 2 FEB 2022 23:28:56



Date: 2 FEB 2022 23:29:57

Highest Channel / 1RB1



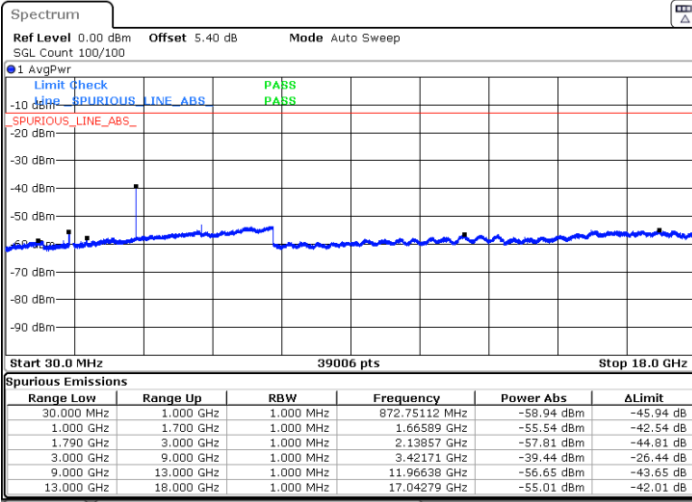
Date: 2 FEB 2022 23:31:04



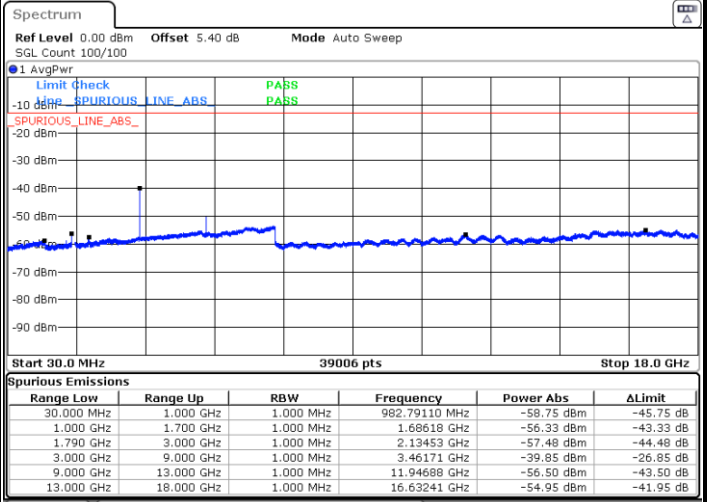
FR1 n66 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

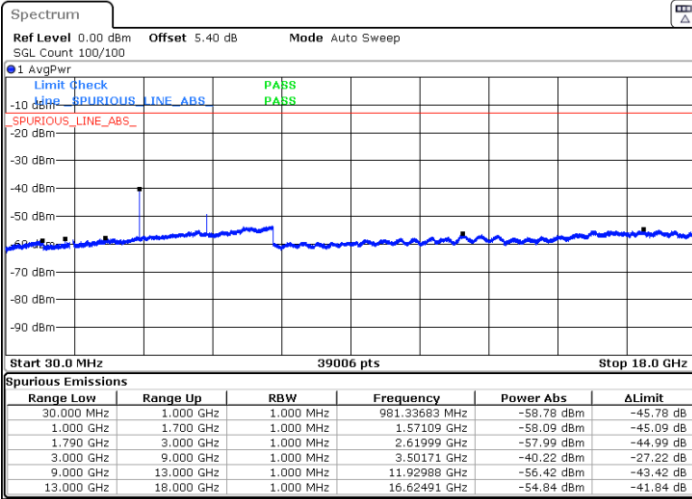


Date: 3 FEB 2022 01:59:44



Date: 3 FEB 2022 02:00:42

Highest Channel / 1RB1



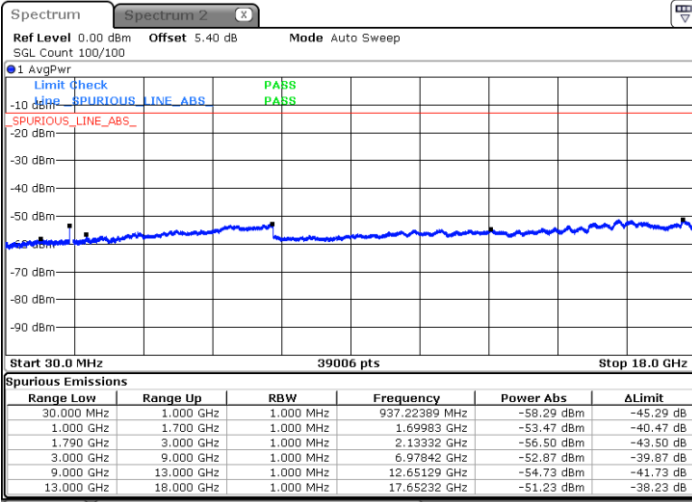
Date: 3 FEB 2022 02:01:45



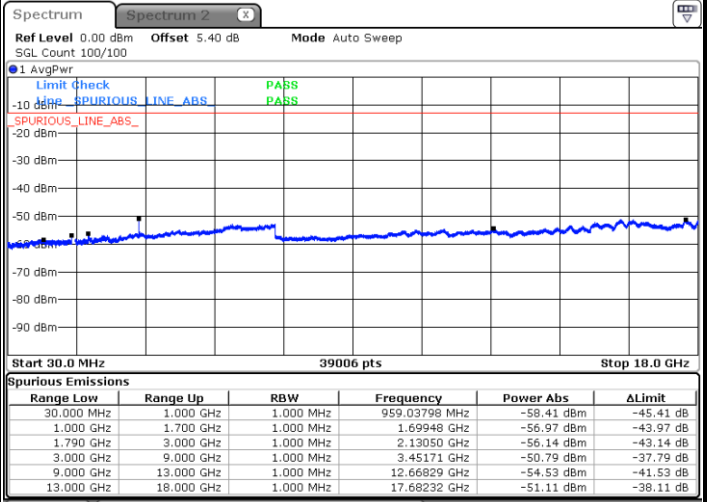
FR1 n66 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

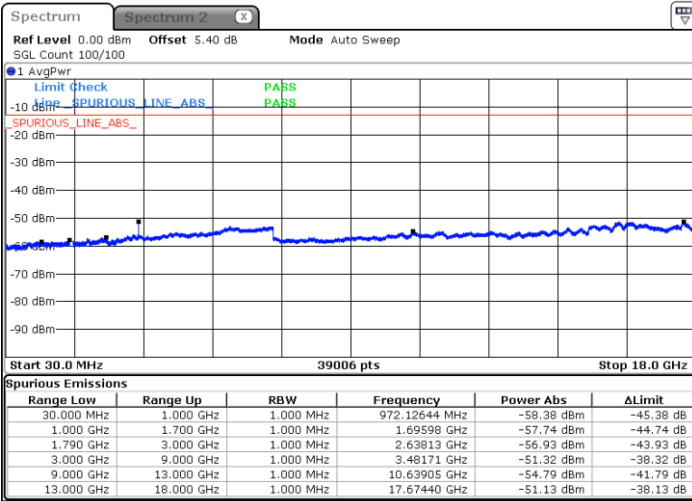


Date: 9.FEB.2022 10:22:55



Date: 9.FEB.2022 09:41:42

Highest Channel / 1RB1



Date: 9.FEB.2022 10:24:00



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

SA n5 / NR 20MHz / QPSK / ANT0(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-66.04	-13	-53.04	-73.01	1.58	10.70	H
	2482	-61.37	-13	-48.37	-69.62	2.10	12.50	H
	3312	-60.17	-13	-47.17	-69.06	2.86	13.90	H
	1656	-64.92	-13	-51.92	-71.89	1.58	10.70	V
	2482	-56.72	-13	-43.72	-64.97	2.10	12.50	V
	3312	-58.92	-13	-45.92	-67.81	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT5(LTE) & ANT0(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1654	-59.03	-13	-46.03	-66.00	1.58	10.70	H
	2482	-61.48	-13	-48.48	-69.73	2.10	12.50	H
	3312	-59.95	-13	-46.95	-68.84	2.86	13.90	H
	1654	-50.42	-13	-37.42	-57.39	1.58	10.70	V
	2482	-59.37	-13	-46.37	-67.62	2.10	12.50	V
	3312	-60.28	-13	-47.28	-69.17	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_66A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT3(LTE) & ANT0(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-57.87	-13	-44.87	-64.84	1.58	10.70	H
	2480	-60.06	-13	-47.06	-68.31	2.10	12.50	H
	3312	-60.34	-13	-47.34	-69.23	2.86	13.90	H
	1656	-55.58	-13	-42.58	-62.55	1.58	10.70	V
	2480	-59.14	-13	-46.14	-67.39	2.10	12.50	V
	3312	-60.34	-13	-47.34	-69.23	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



SA n7 / NR 50MHz / QPSK / ANT3(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-64.11	-25	-39.11	-74.32	3.03	13.24	H
	7576	-60.01	-25	-35.01	-69.46	3.56	13.01	H
	10100	-58.93	-25	-33.93	-68.45	3.92	13.44	H
	5052	-64.10	-25	-39.10	-74.31	3.03	13.24	V
	7576	-61.13	-25	-36.13	-70.58	3.56	13.01	V
	10100	-60.29	-25	-35.29	-69.81	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_2A_n7A / LTE 20MHz + NR 50MHz / QPSK / ANT4(LTE) & ANT3(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-65.50	-25	-40.50	-75.71	3.03	13.24	H
	7576	-56.87	-25	-31.87	-66.32	3.56	13.01	H
	10100	-62.43	-25	-37.43	-71.95	3.92	13.44	H
	12630	-57.78	-25	-32.78	-67.70	4.44	14.36	H
	5052	-65.13	-25	-40.13	-75.34	3.03	13.24	V
	7576	-59.56	-25	-34.56	-69.01	3.56	13.01	V
	10100	-63.15	-25	-38.15	-72.67	3.92	13.44	V
	12630	-59.48	-25	-34.48	-69.40	4.44	14.36	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_5A_n7A / LTE 10MHz + NR 50MHz / QPSK / ANT1(LTE) & ANT3(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5050	-63.27	-25	-38.27	-73.48	3.03	13.24	H
	7584	-61.28	-25	-36.28	-70.73	3.56	13.01	H
	10104	-62.59	-25	-37.59	-72.11	3.92	13.44	H
	5050	-61.05	-25	-36.05	-71.26	3.03	13.24	V
	7584	-63.24	-25	-38.24	-72.69	3.56	13.01	V
	10104	-62.76	-25	-37.76	-72.28	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_66A_n7A / LTE 20MHz + NR 50MHz / QPSK / ANT3(LTE) & ANT3(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5050	-62.69	-25	-37.69	-72.90	3.03	13.24	H
	7584	-61.06	-25	-36.06	-70.51	3.56	13.01	H
	10104	-62.13	-25	-37.13	-71.65	3.92	13.44	H
	12624	-57.73	-25	-32.73	-67.65	4.44	14.36	H
	5050	-63.01	-25	-38.01	-73.22	3.03	13.24	V
	7584	-62.03	-25	-37.03	-71.48	3.56	13.01	V
	10104	-63.28	-25	-38.28	-72.80	3.92	13.44	V
	12624	-59.31	-25	-34.31	-69.23	4.44	14.36	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n41 / NR 100MHz / QPSK / ANT0(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5092	-63.53	-25	-38.53	-73.74	3.03	13.24	H
	7640	-59.38	-25	-34.38	-68.83	3.56	13.01	H
	10188	-61.03	-25	-36.03	-70.55	3.92	13.44	H
	5092	-61.94	-25	-36.94	-72.15	3.03	13.24	V
	7640	-61.16	-25	-36.16	-70.61	3.56	13.01	V
	10188	-61.47	-25	-36.47	-70.99	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n66 / NR 40MHz / QPSK / ANT3(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-56.43	-13	-43.43	-67.17	2.60	13.34	H
	5208	-53.54	-13	-40.54	-64.05	3.01	13.52	H
	6948	-53.91	-13	-40.91	-64.11	3.27	13.47	H
	3471	-58.48	-13	-45.48	-69.22	2.60	13.34	V
	5208	-51.40	-13	-38.40	-61.91	3.01	13.52	V
	6948	-53.84	-13	-40.84	-64.04	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_2A_n66A / LTE 20MHz + NR 40MHz / QPSK / ANT4(LTE) & ANT3(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-48.08	-13	-35.08	-58.82	2.60	13.34	H
	5208	-54.61	-13	-41.61	-65.12	3.01	13.52	H
	6948	-53.67	-13	-40.67	-63.87	3.27	13.47	H
	3471	-53.03	-13	-40.03	-63.77	2.60	13.34	V
	5208	-54.11	-13	-41.11	-64.62	3.01	13.52	V
	6948	-53.50	-13	-40.50	-63.70	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_5A_n66A / LTE 10MHz + NR 40MHz / QPSK / ANT1(LTE) & ANT4(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-53.94	-13	-40.94	-64.68	2.60	13.34	H
	5205	-53.22	-13	-40.22	-63.73	3.01	13.52	H
	6945	-53.65	-13	-40.65	-63.85	3.27	13.47	H
	3465	-55.54	-13	-42.54	-66.28	2.60	13.34	V
	5205	-54.24	-13	-41.24	-64.75	3.01	13.52	V
	6945	-53.19	-13	-40.19	-63.39	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_12A_n66A / LTE 10MHz + NR 40MHz / QPSK / ANT1(LTE) & ANT4(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-51.94	-13	-38.94	-62.68	2.60	13.34	H
	5205	-54.40	-13	-41.40	-64.91	3.01	13.52	H
	6945	-53.42	-13	-40.42	-63.62	3.27	13.47	H
	3465	-53.73	-13	-40.73	-64.47	2.60	13.34	V
	5205	-54.39	-13	-41.39	-64.90	3.01	13.52	V
	6945	-53.60	-13	-40.60	-63.80	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_7A_n66A / LTE 20MHz + NR 40MHz / QPSK / ANT5(LTE) & ANT4(NR) for other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-48.92	-13	-35.92	-59.66	2.60	13.34	H
	5205	-53.65	-13	-40.65	-64.16	3.01	13.52	H
	6945	-53.82	-13	-40.82	-64.02	3.27	13.47	H
	3465	-51.41	-13	-38.41	-62.15	2.60	13.34	V
	5205	-54.25	-13	-41.25	-64.76	3.01	13.52	V
	6945	-53.59	-13	-40.59	-63.79	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.