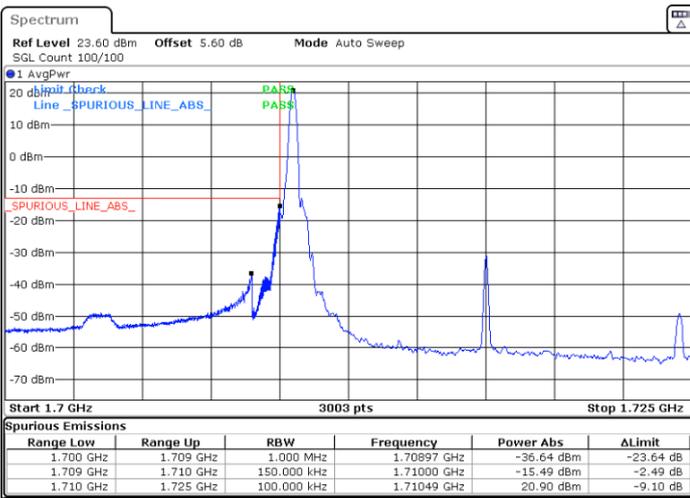




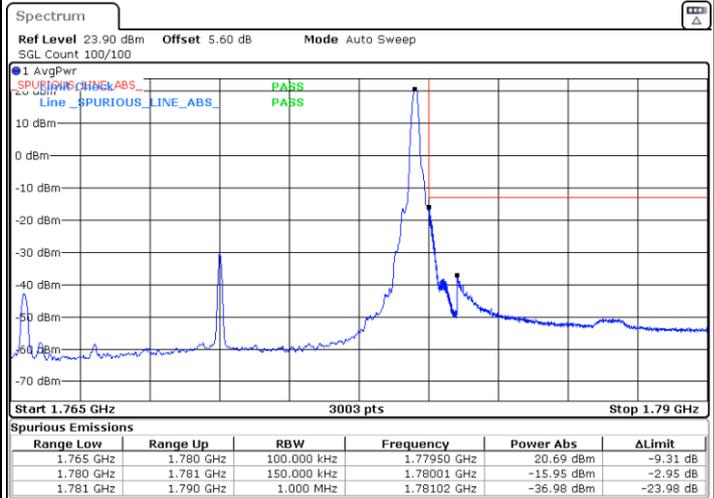
FR1 n66 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



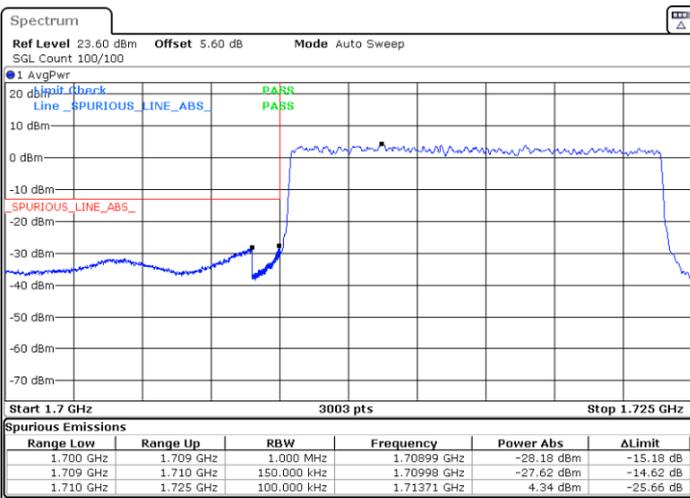
Date: 26.NOV.2021 04:23:56



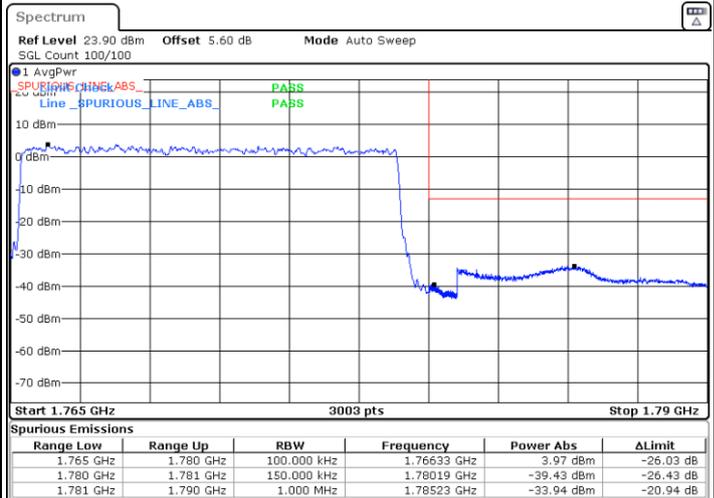
Date: 26.NOV.2021 04:35:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:30:51



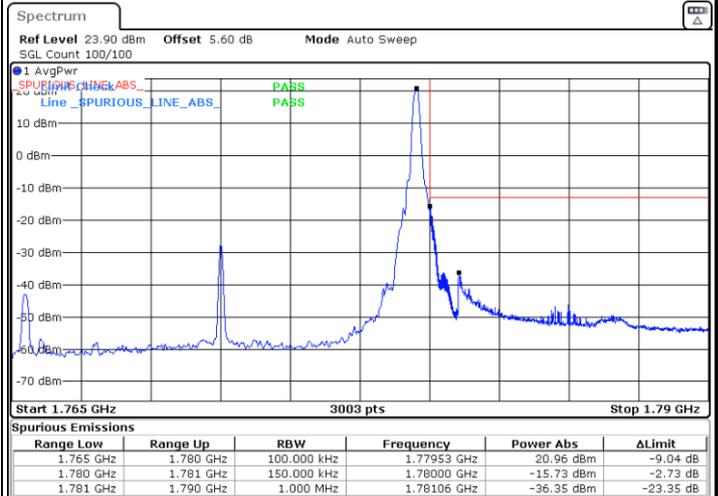
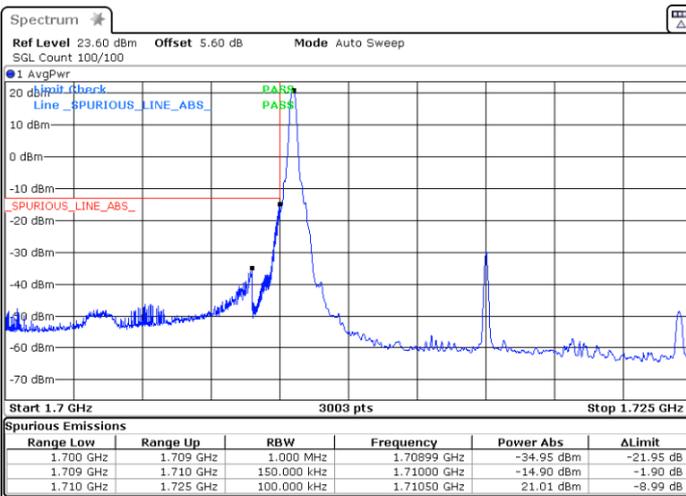
Date: 26.NOV.2021 04:40:01



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

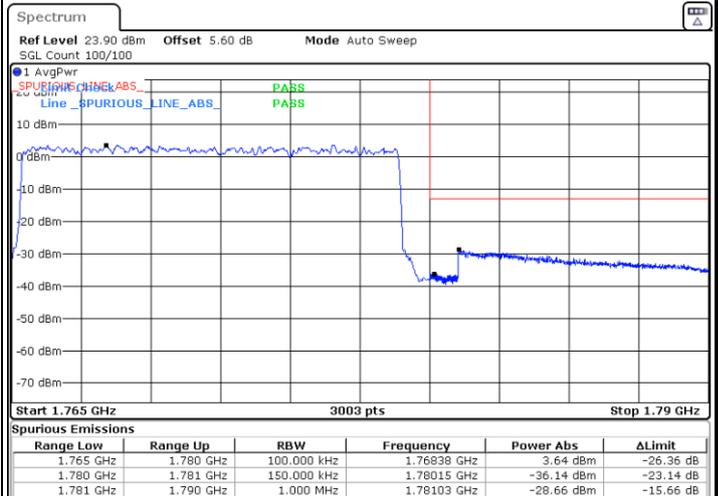
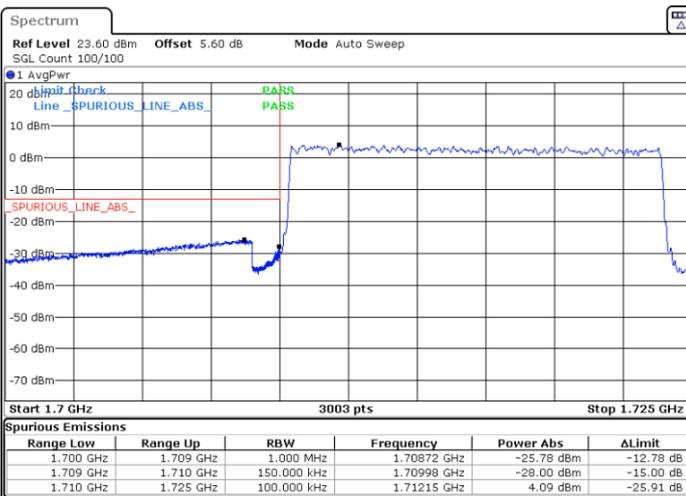


Date: 26.NOV.2021 04:24:18

Date: 26.NOV.2021 04:36:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:29:50

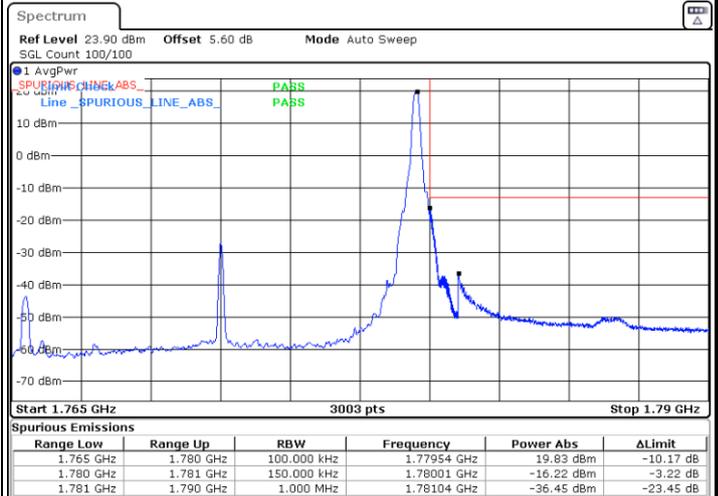
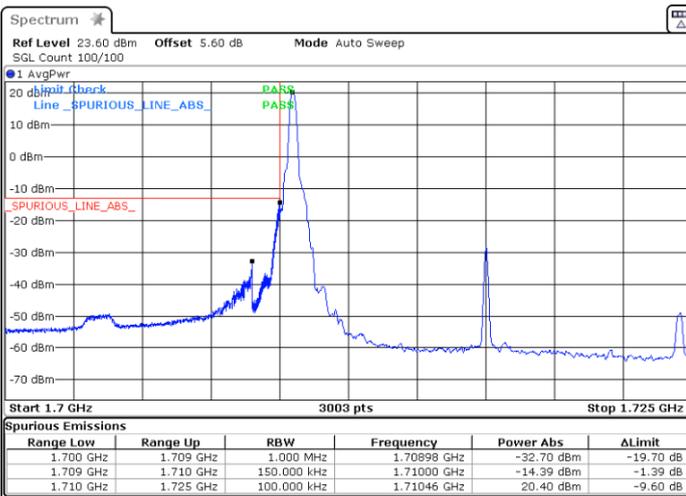
Date: 26.NOV.2021 04:39:11



FR1 n66 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

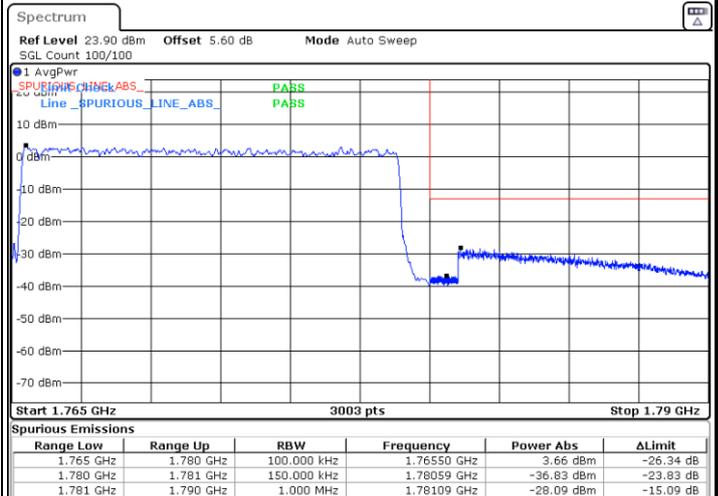
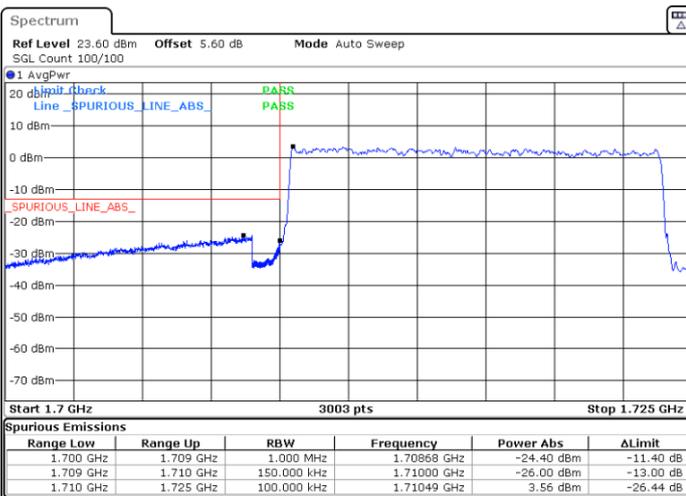


Date: 26.NOV.2021 04:25:26

Date: 26.NOV.2021 04:36:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:29:35

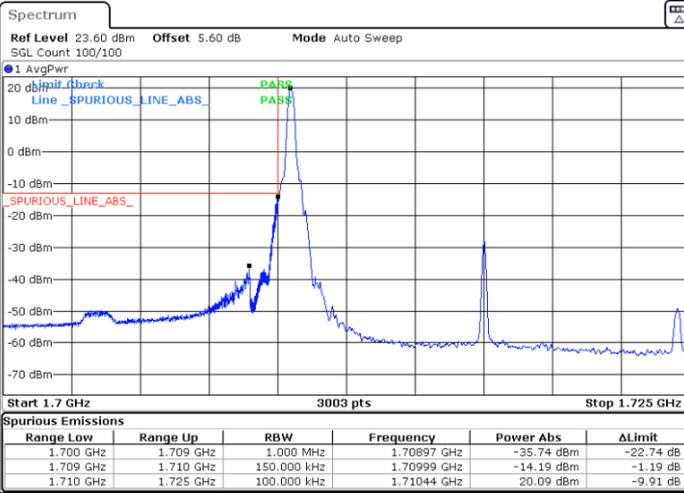
Date: 26.NOV.2021 04:38:57



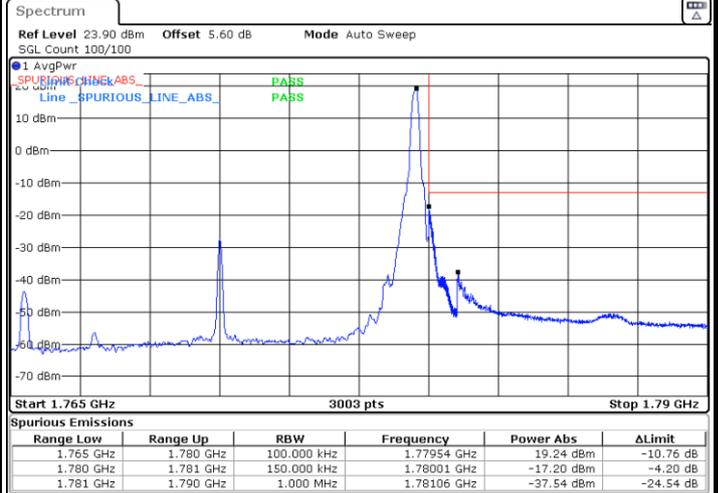
FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



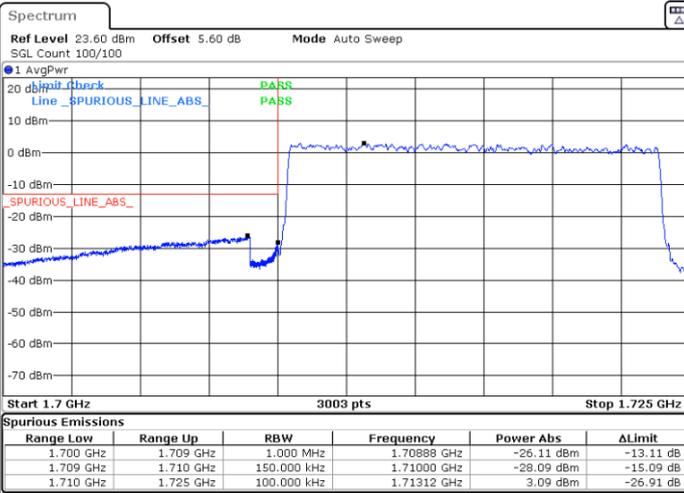
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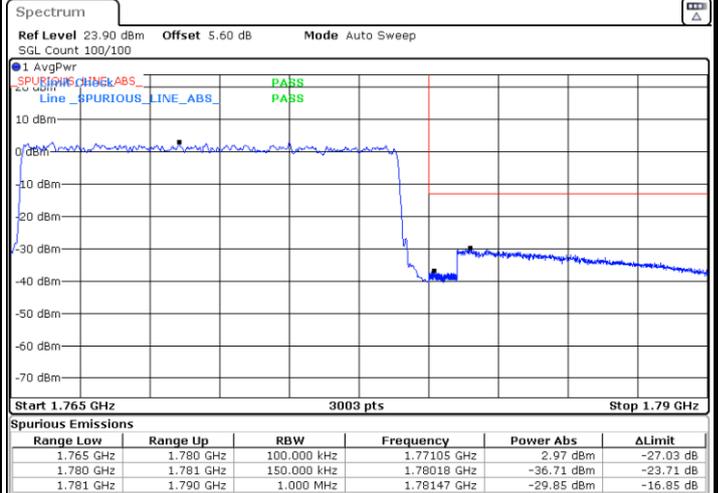
Date: 26.NOV.2021 04:36:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:29:12



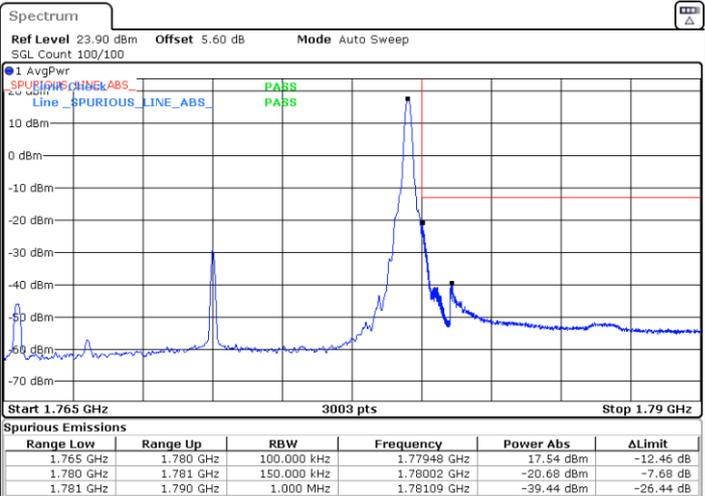
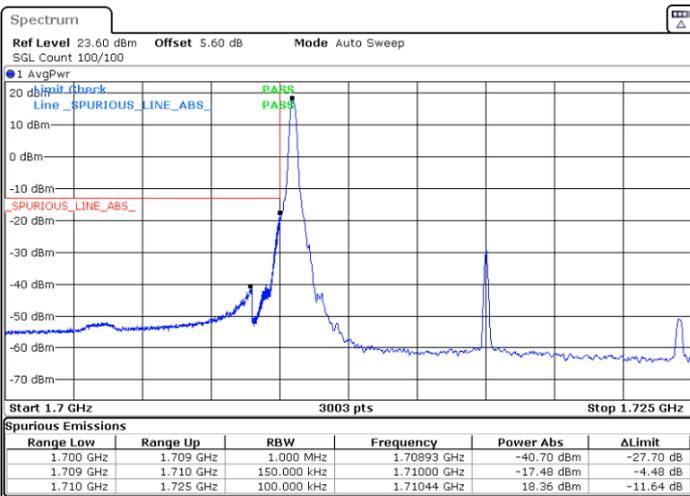
Date: 26.NOV.2021 04:38:42



FR1 n66 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

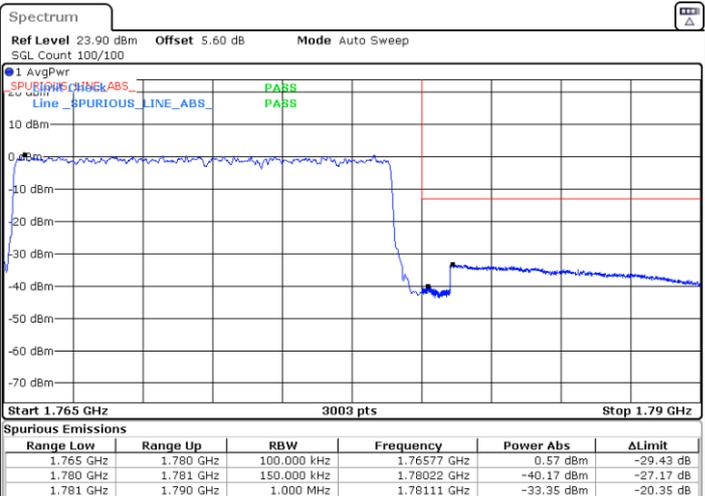
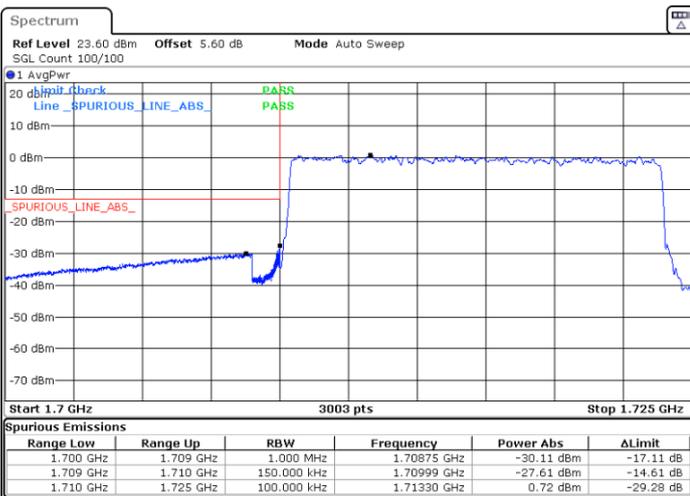


Date: 26.NOV.2021 04:28:37

Date: 26.NOV.2021 04:37:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:28:53

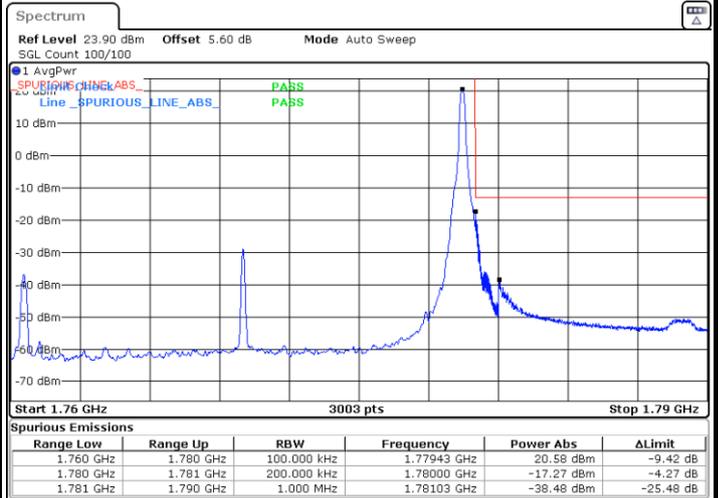
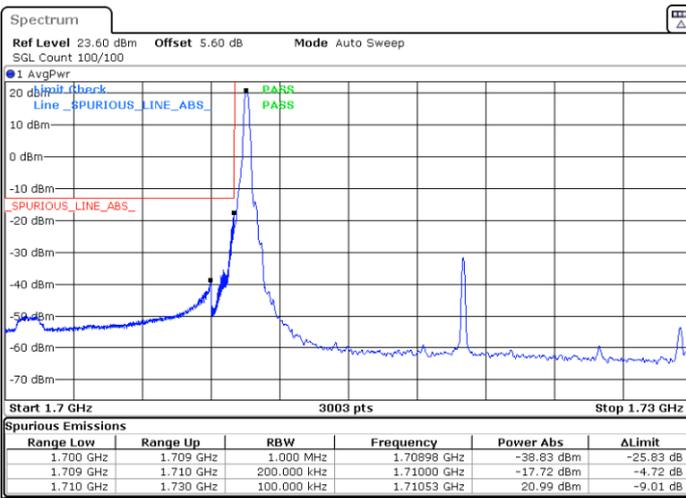
Date: 26.NOV.2021 04:38:17



FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

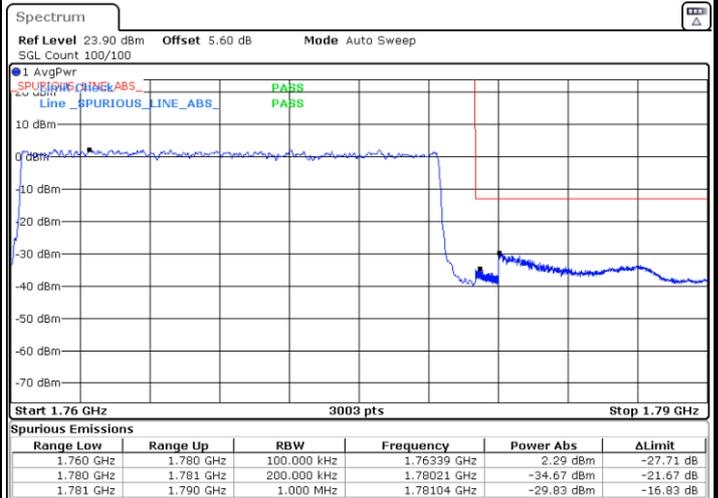
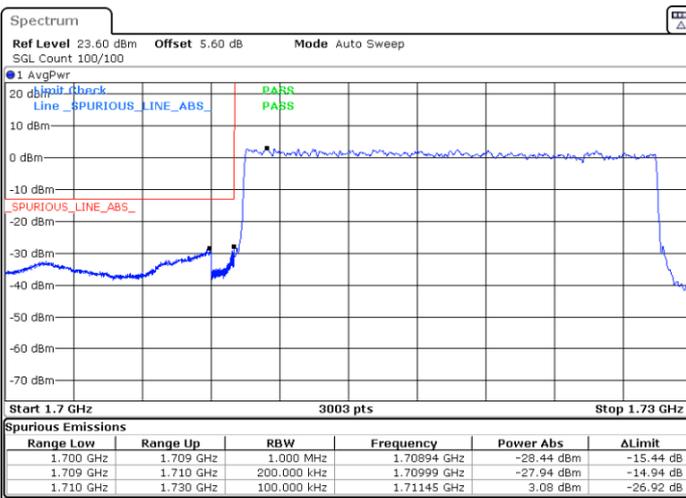


Date: 26.NOV.2021 04:42:28

Date: 26.NOV.2021 04:52:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:47:57

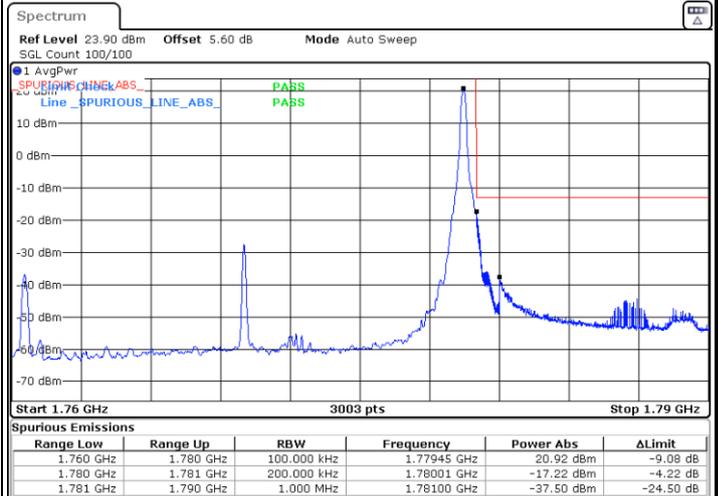
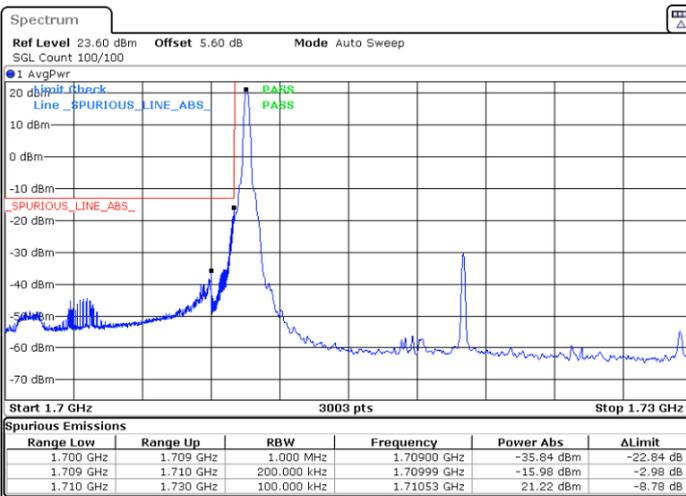
Date: 26.NOV.2021 04:56:43



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

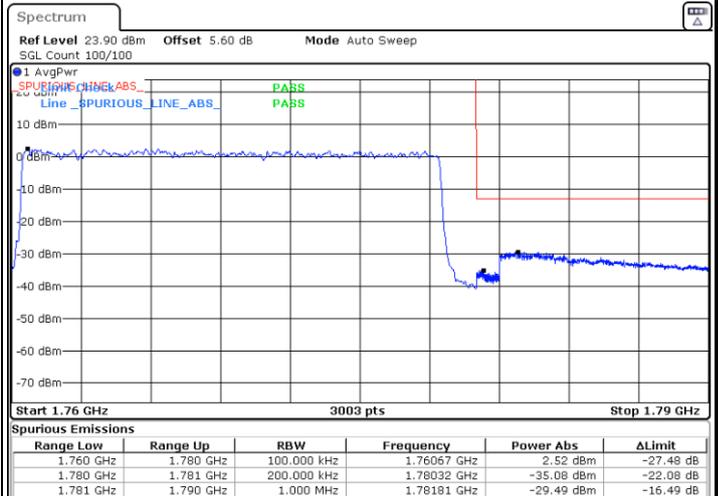
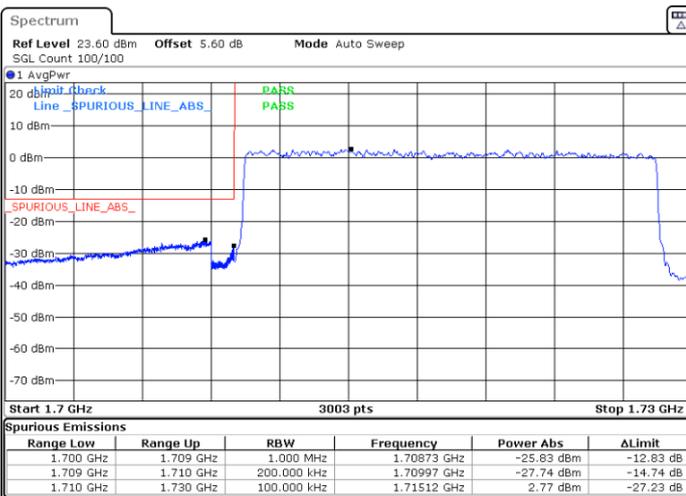


Date: 26.NOV.2021 04:43:06

Date: 26.NOV.2021 04:52:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:47:00

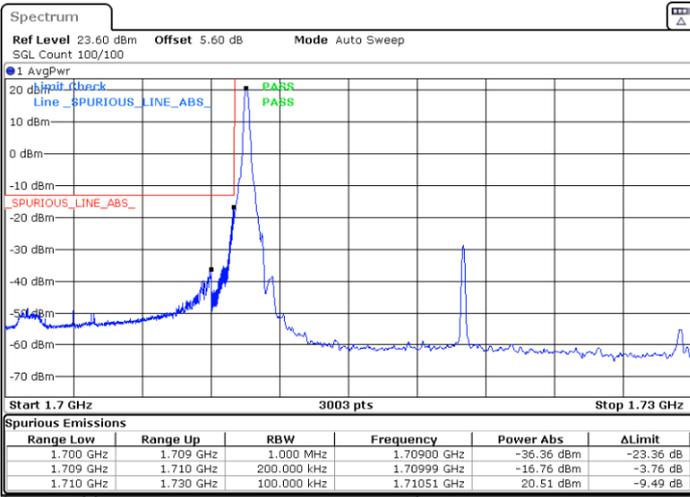
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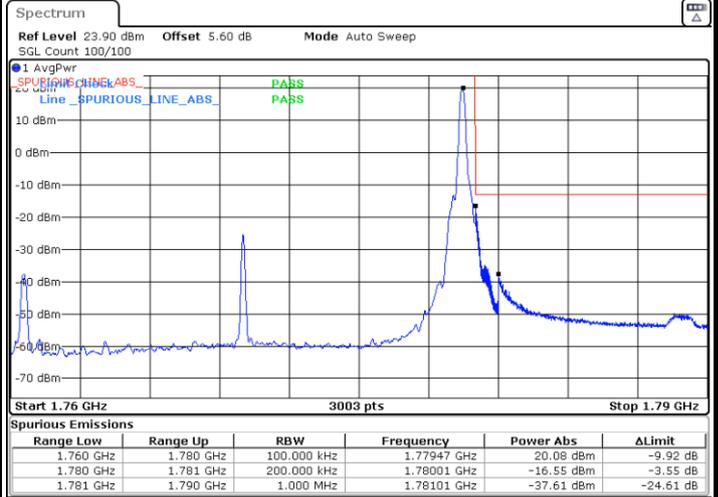
FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



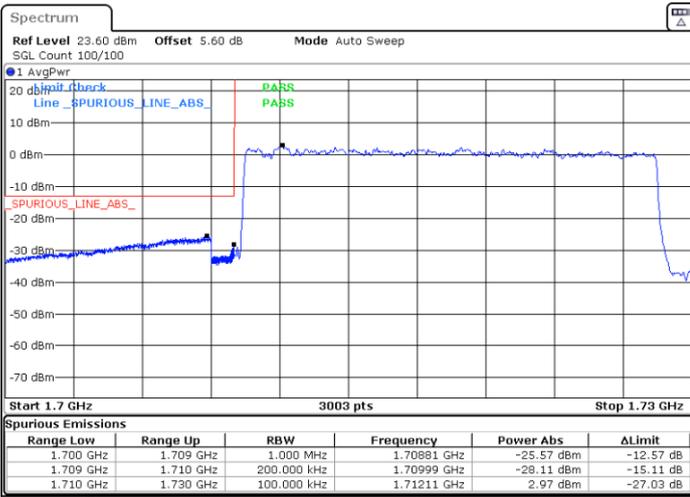
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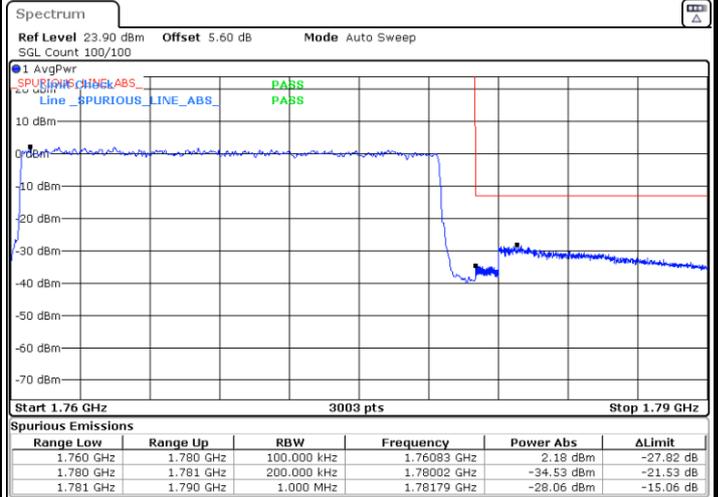
Date: 26.NOV.2021 04:52:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:46:45



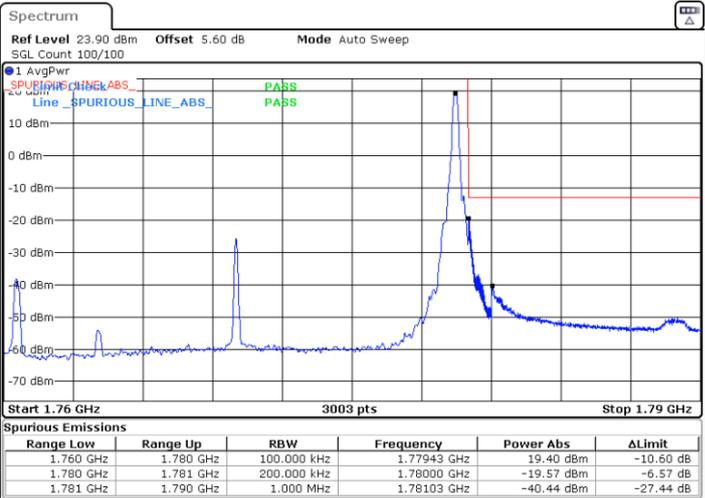
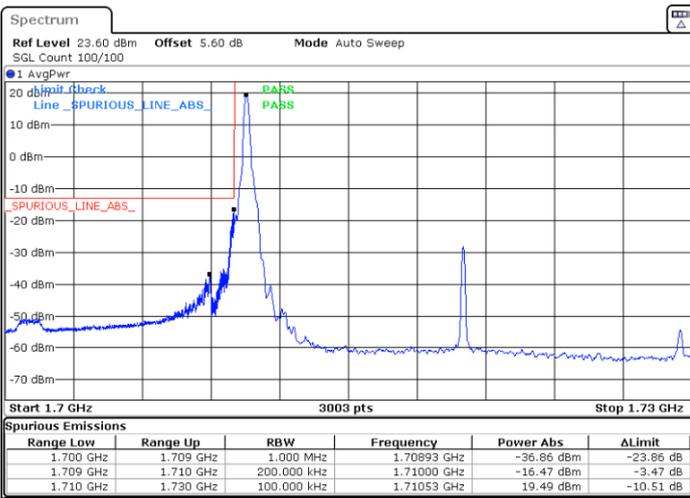
Date: 26.NOV.2021 04:55:27



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

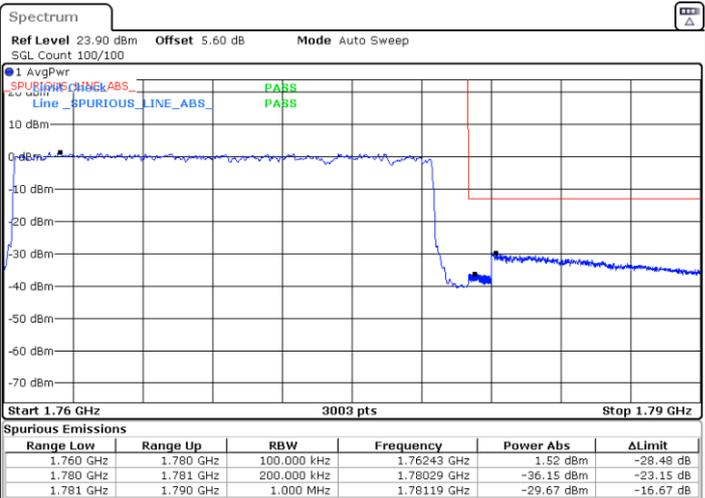
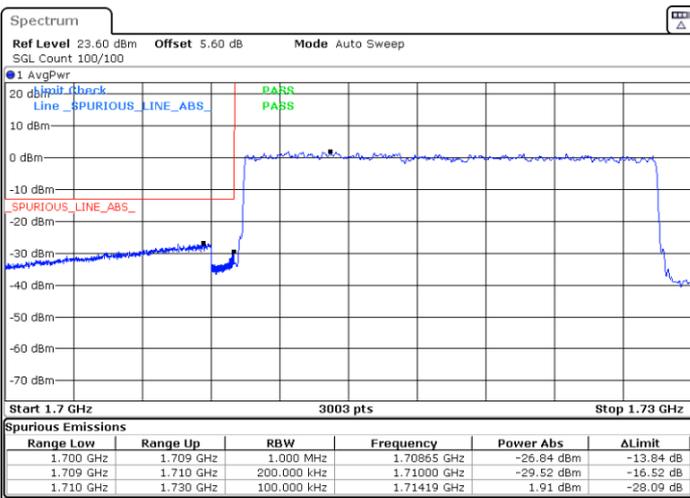


Date: 26.NOV.2021 04:44:23

Date: 26.NOV.2021 04:53:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:46:26

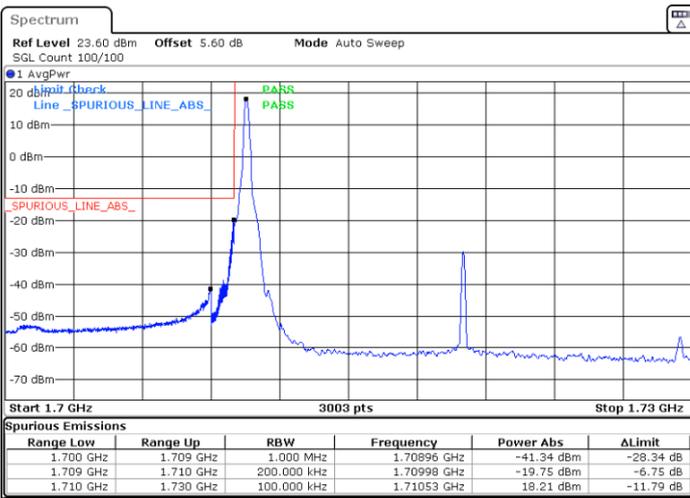
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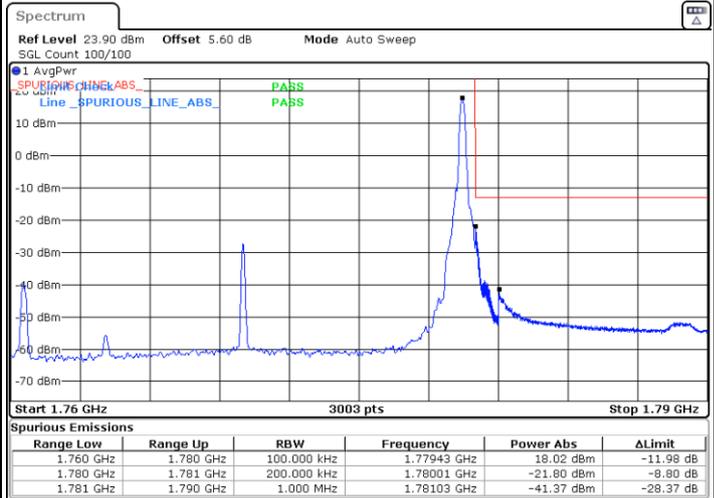
FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



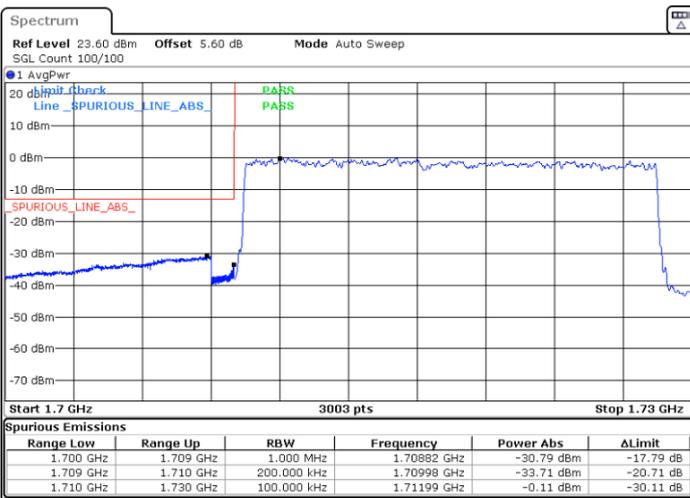
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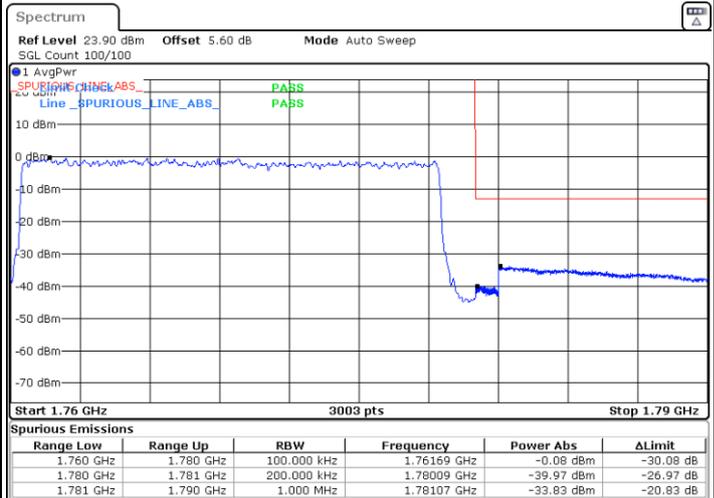
Date: 26.NOV.2021 04:54:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 04:46:09



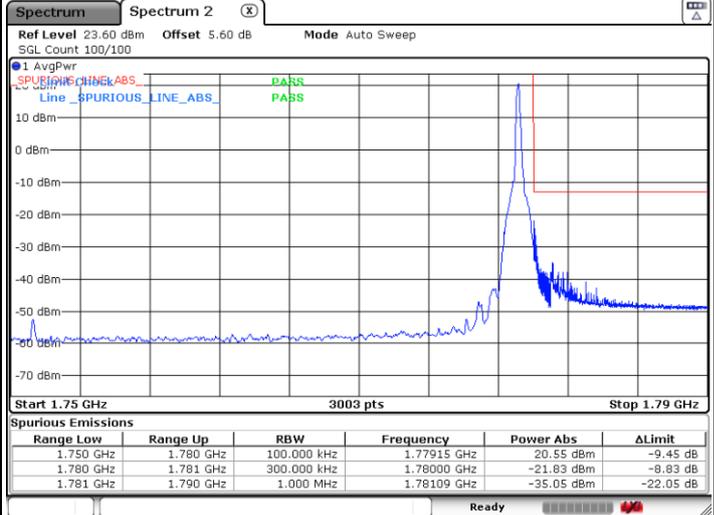
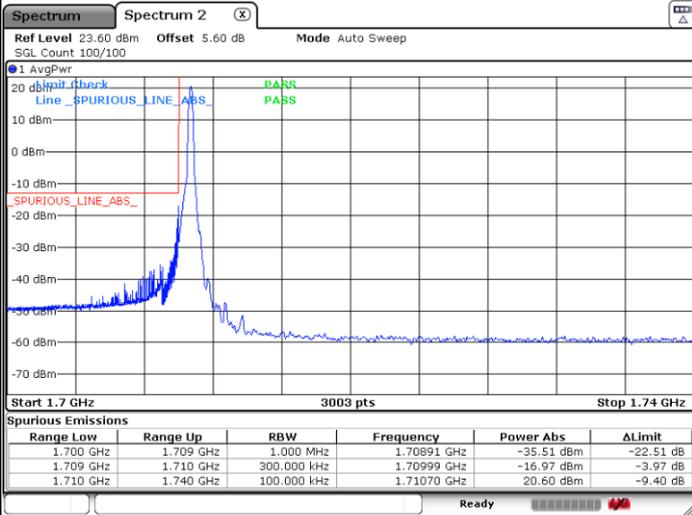
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FR1 n66 / 30MHz / DFT-s-OFDM / PI/2 BPSK

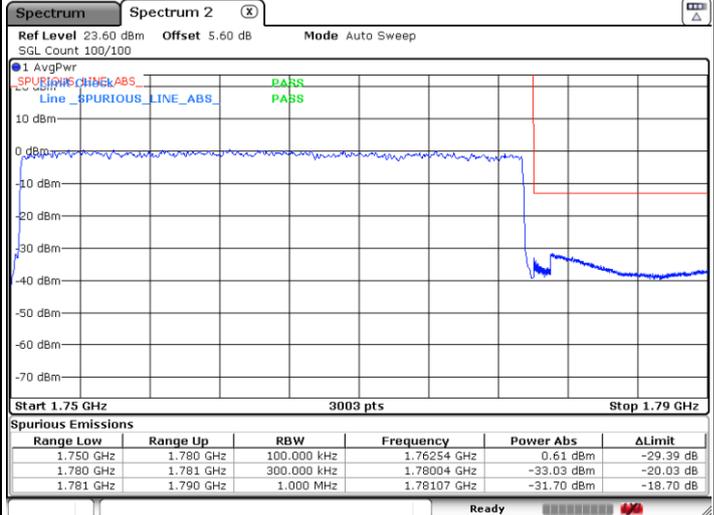
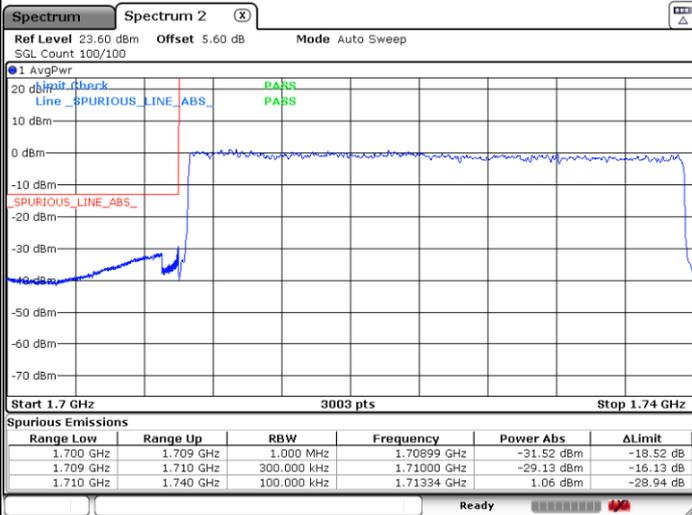
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

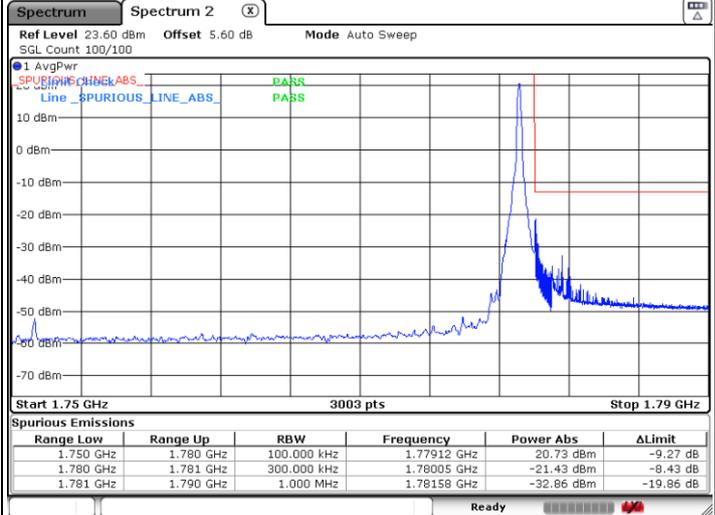
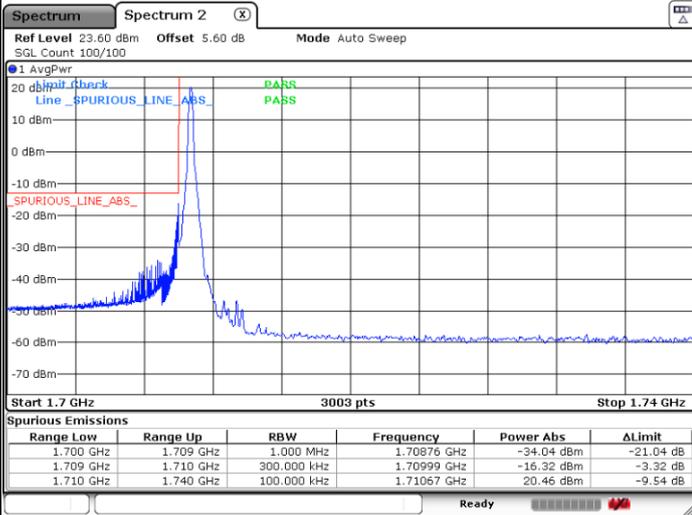




FR1 n66 / 30MHz / DFT-s-OFDM / QPSK

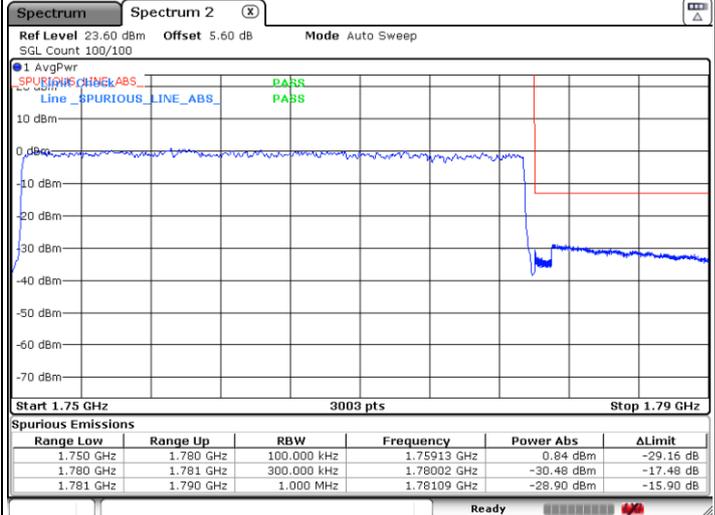
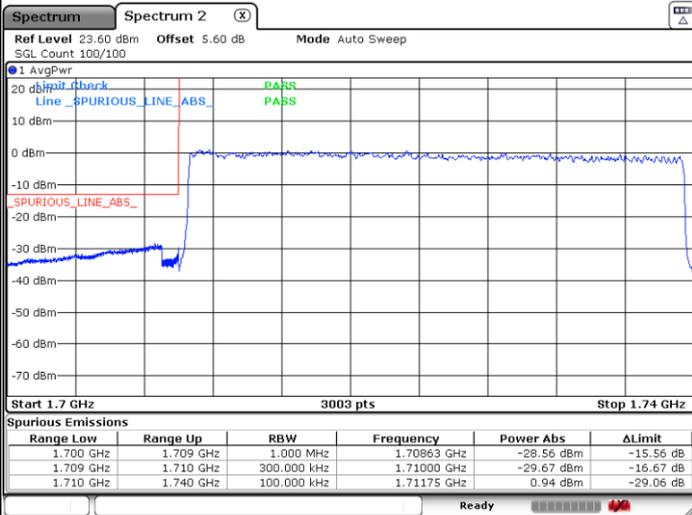
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

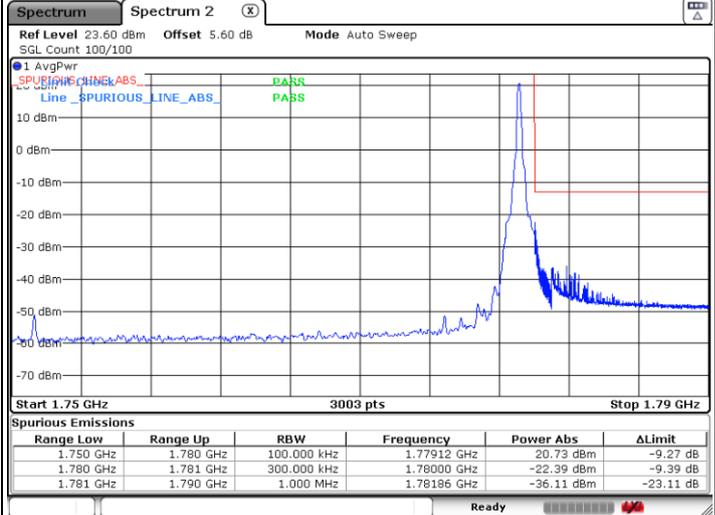
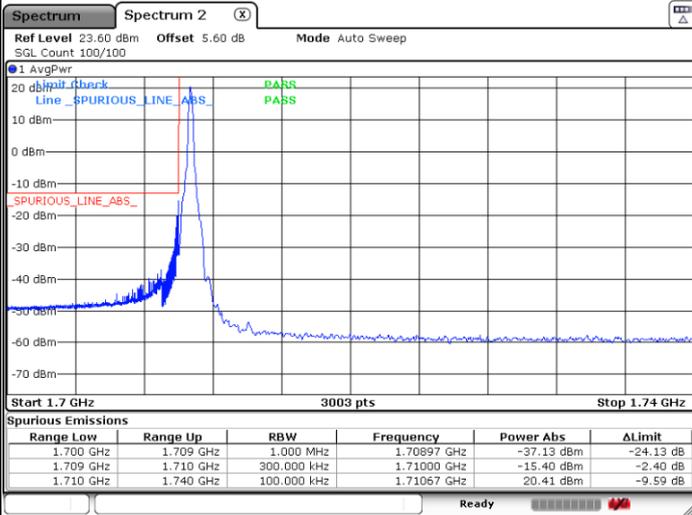




FR1 n66 / 30MHz / DFT-s-OFDM / 16QAM

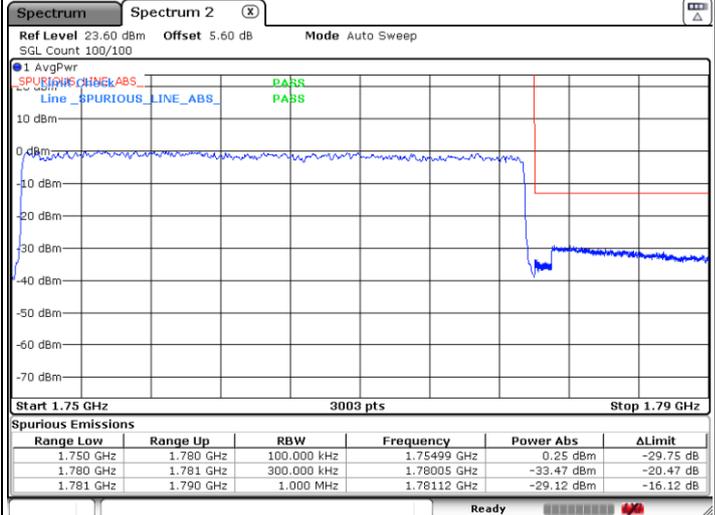
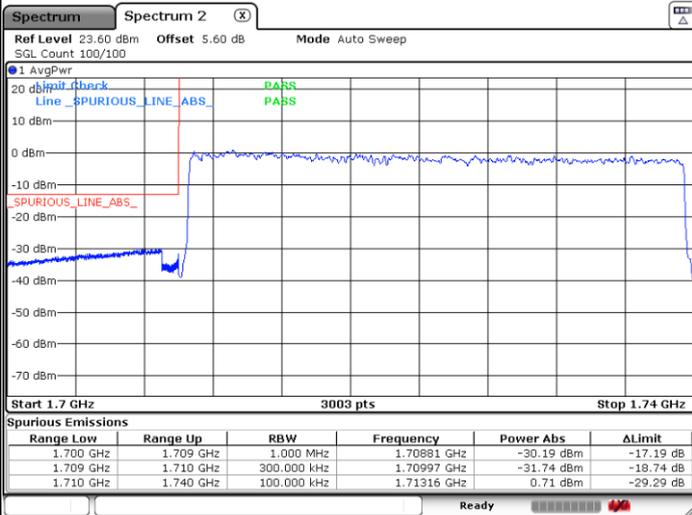
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

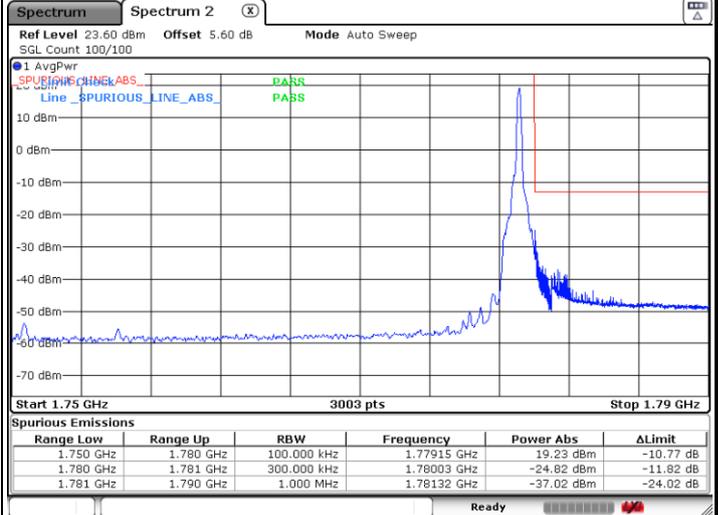
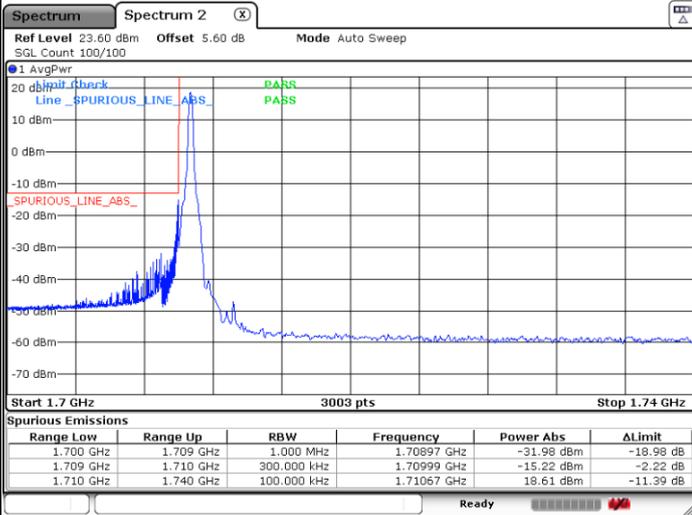




FR1 n66 / 30MHz / DFT-s-OFDM / 64QAM

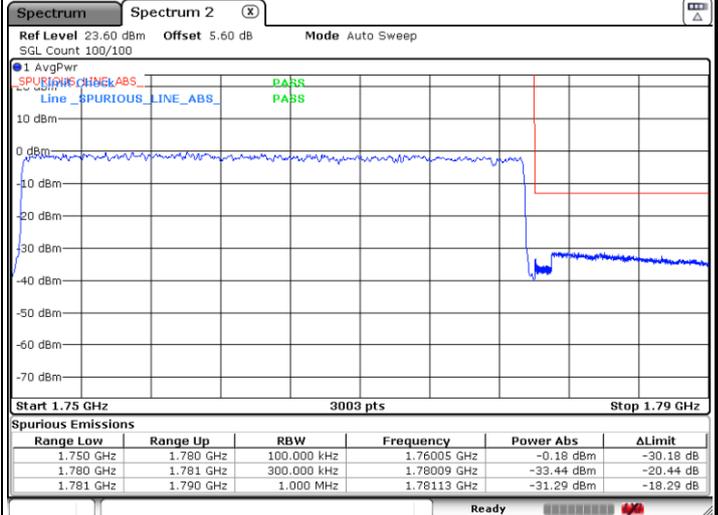
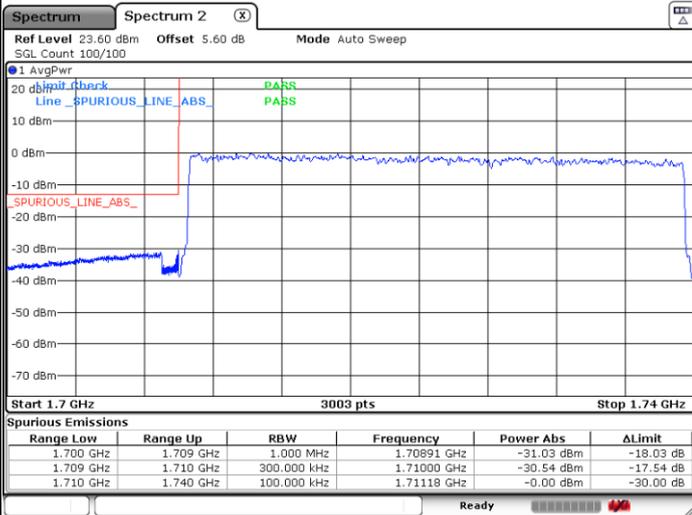
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

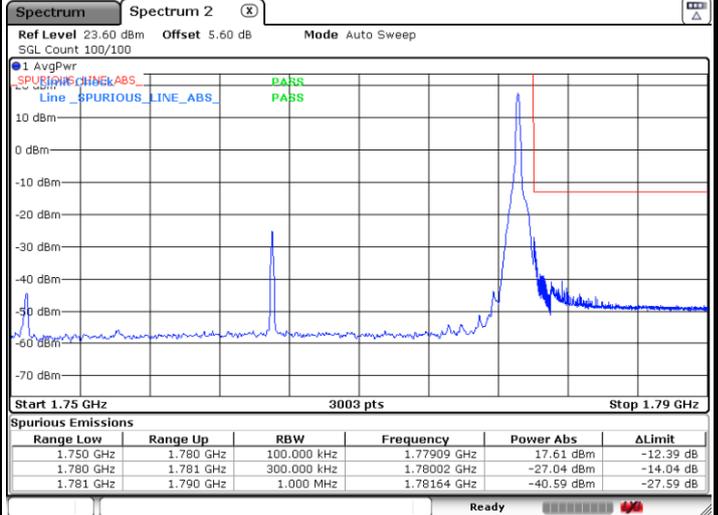
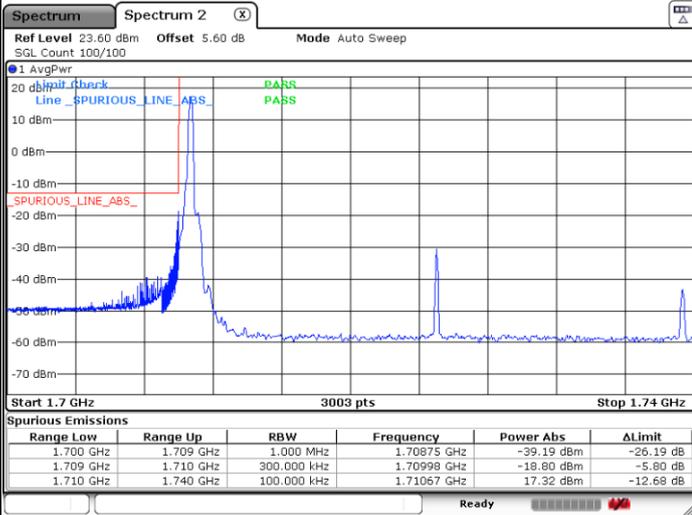




FR1 n66 / 30MHz / DFT-s-OFDM / 256QAM

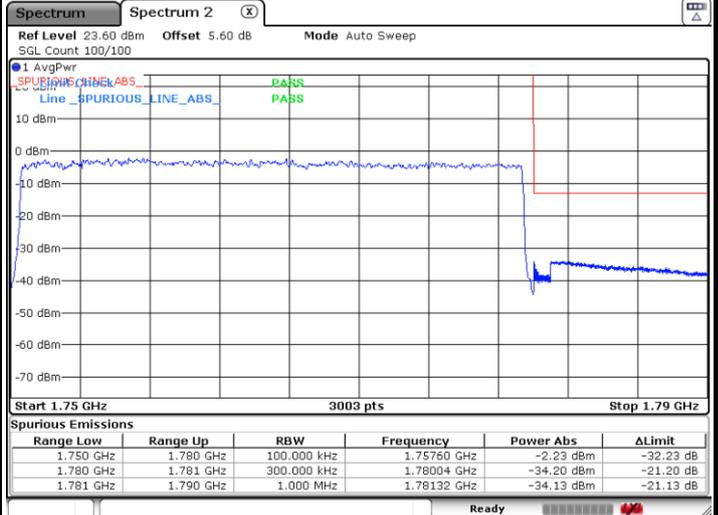
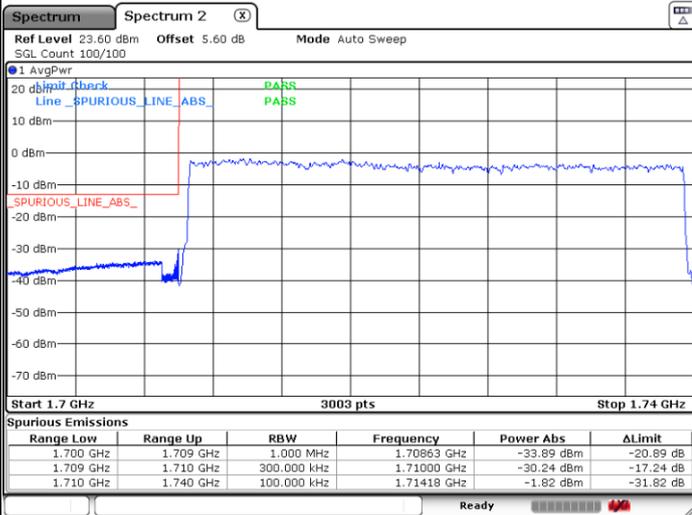
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

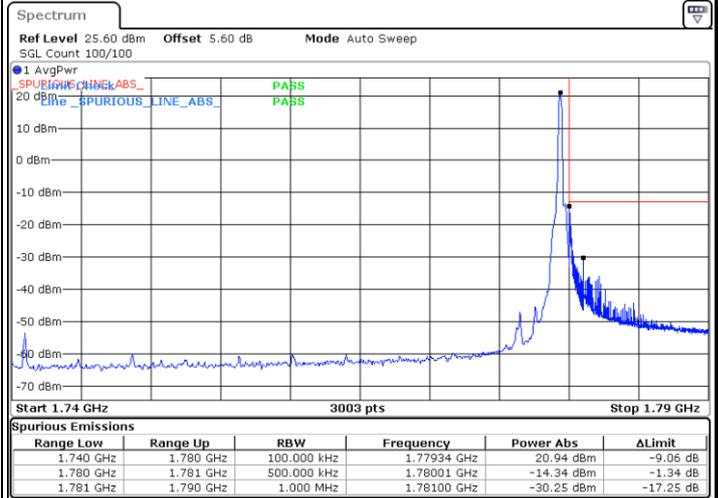
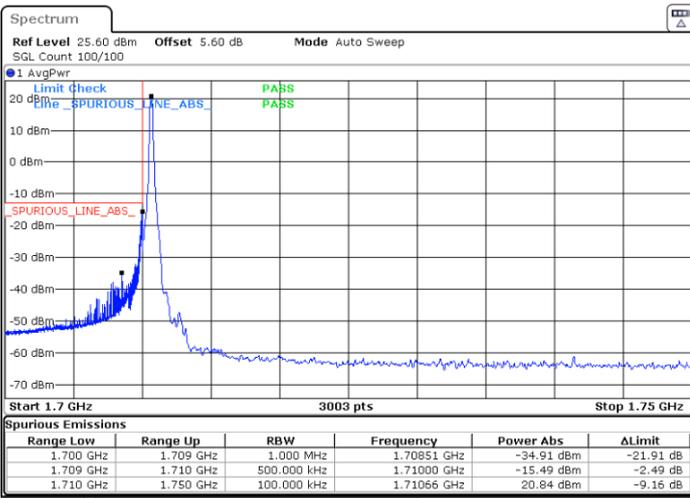




FR1 n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

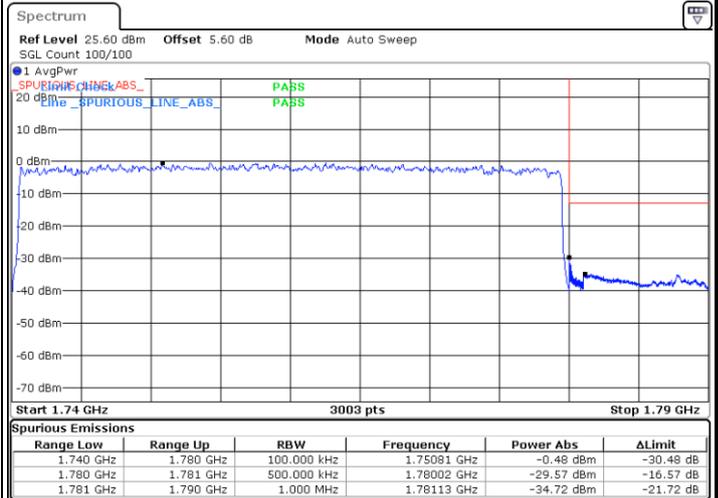
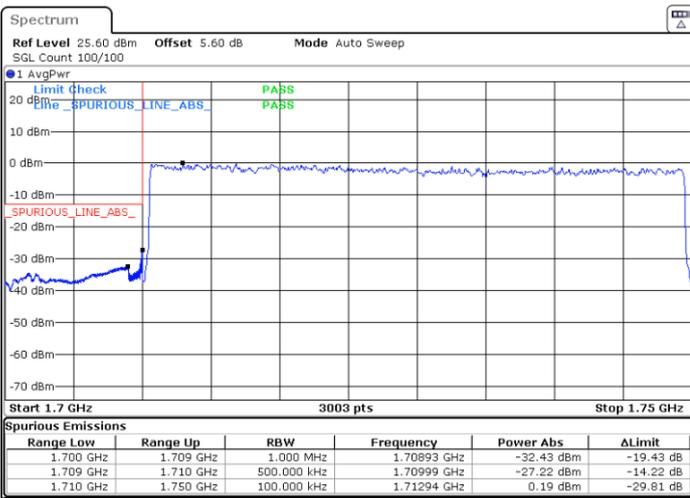


Date: 26.NOV.2021 14:18:36

Date: 26.NOV.2021 14:27:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 14:18:05

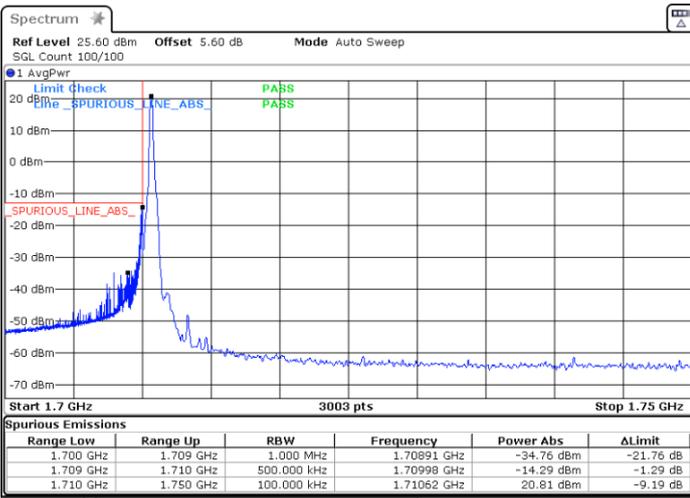
Date: 26.NOV.2021 14:26:57



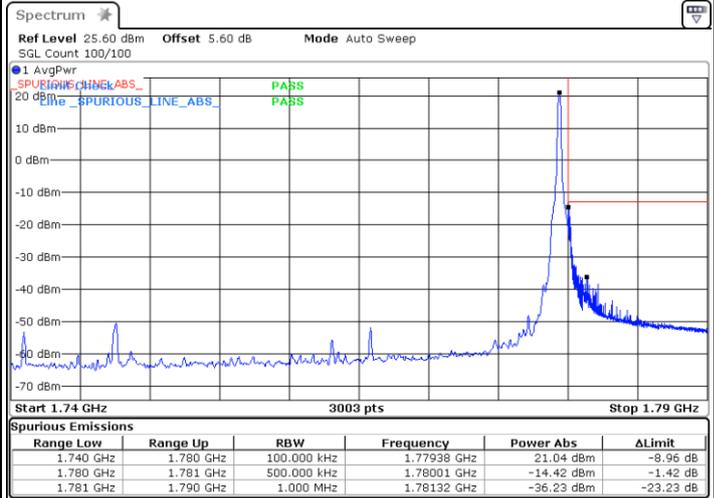
FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



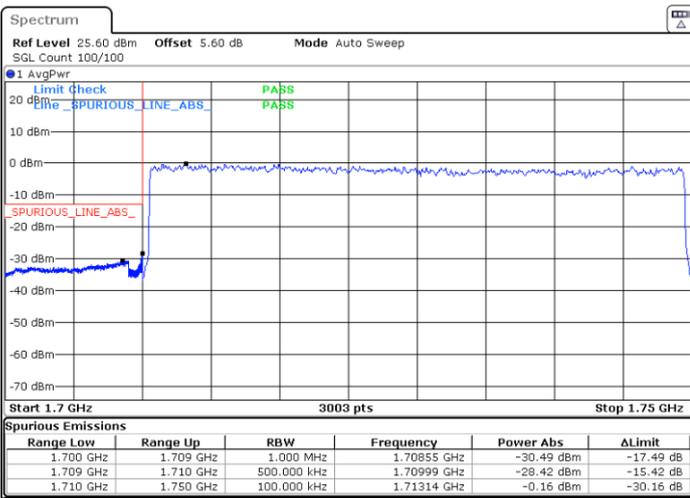
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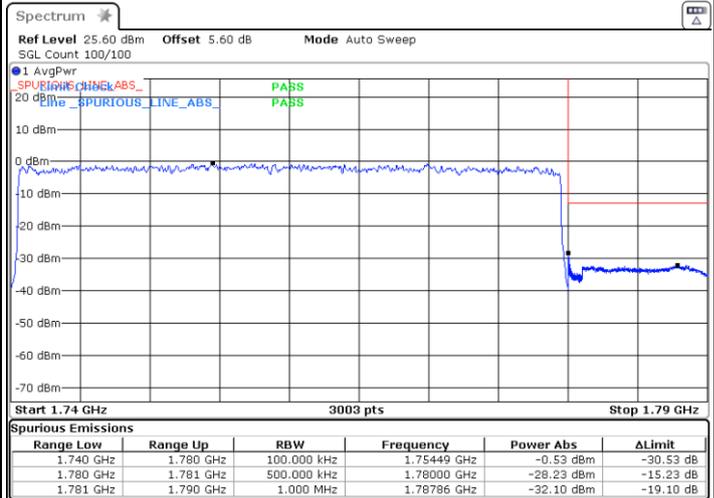
Date: 26.NOV.2021 14:27:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 14:17:30



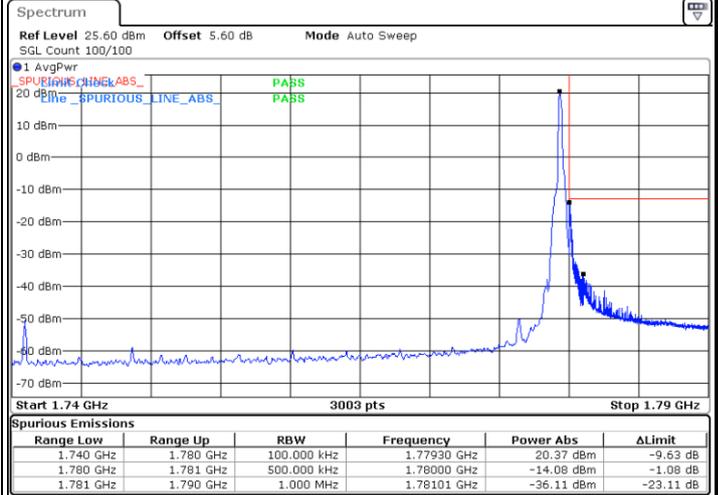
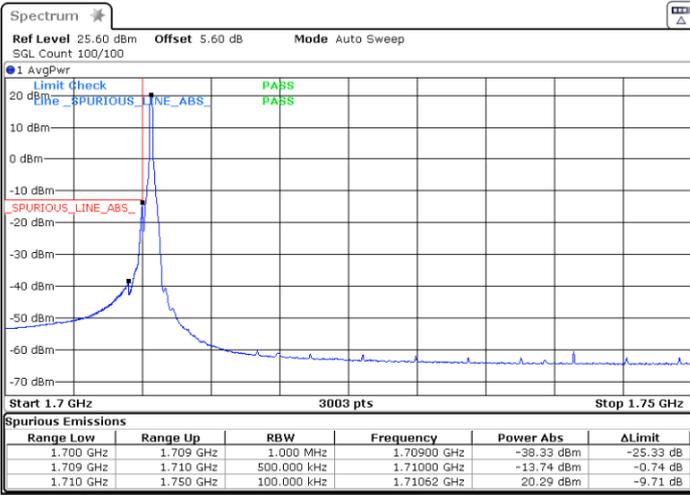
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FR1 n66 / 40MHz / DFT-s-OFDM / 16QAM

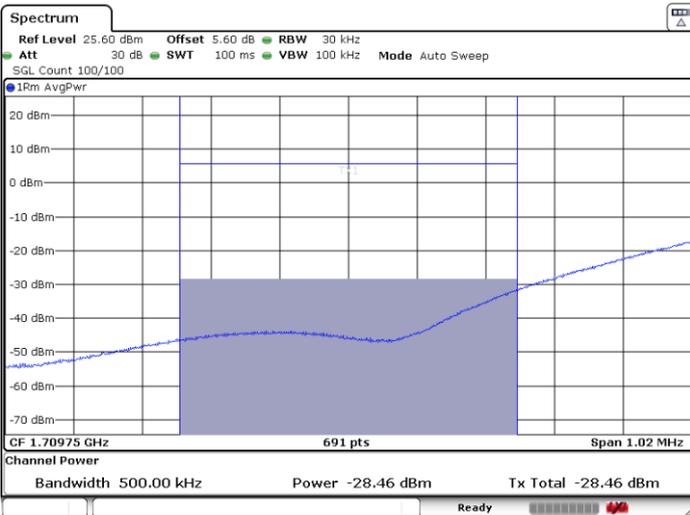
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Date: 26.NOV.2021 14:11:18

Date: 26.NOV.2021 14:28:18



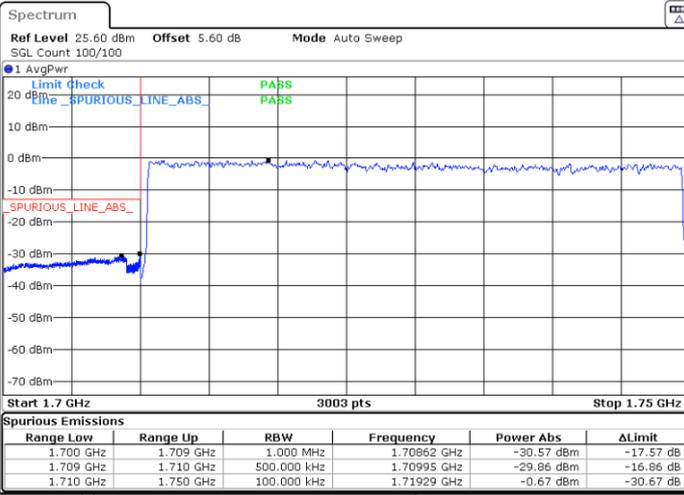
Date: 26.NOV.2021 13:52:57



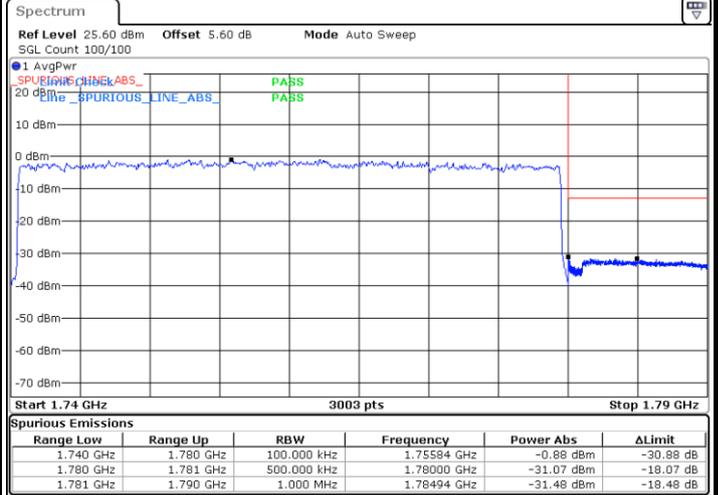
FR1 n66 / 40MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 14:17:02



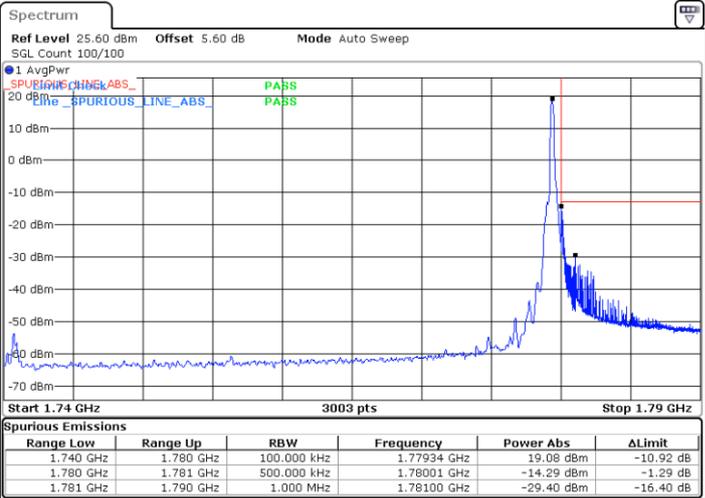
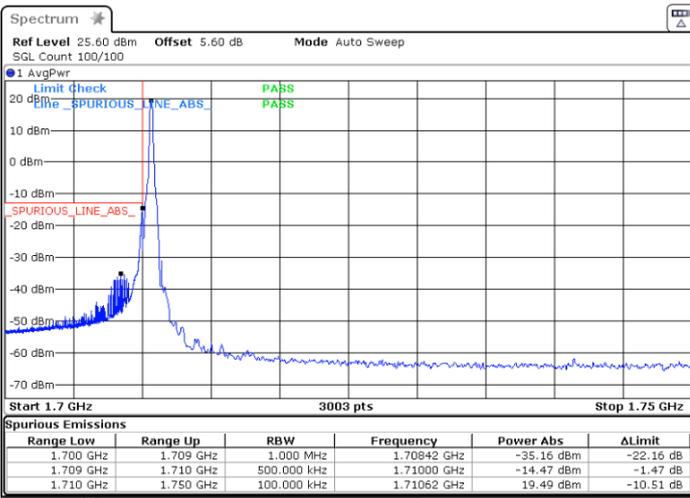
Date: 26.NOV.2021 14:26:13



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

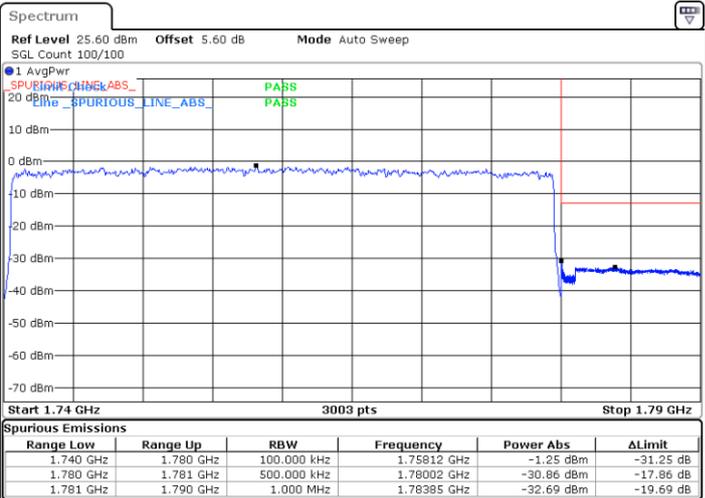
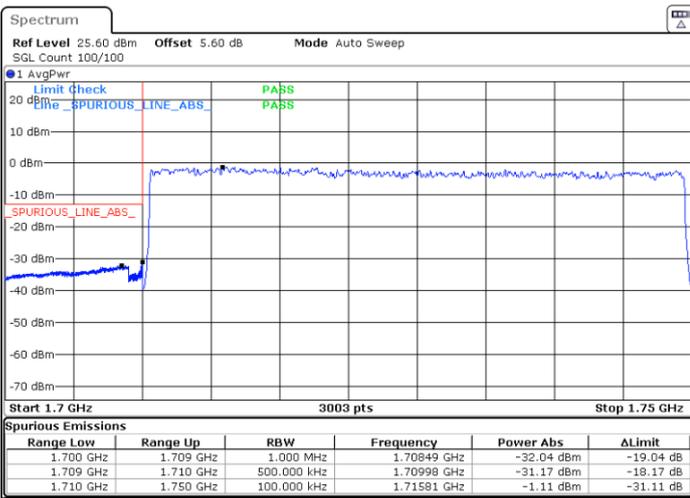


Date: 26.NOV.2021 14:14:30

Date: 26.NOV.2021 14:29:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 14:16:39

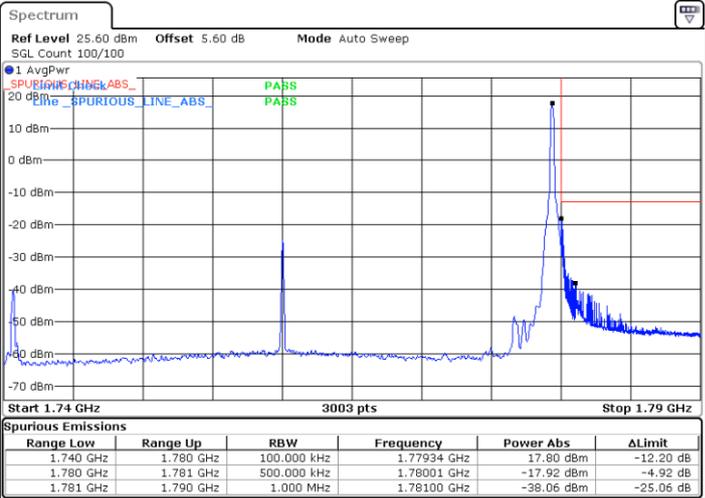
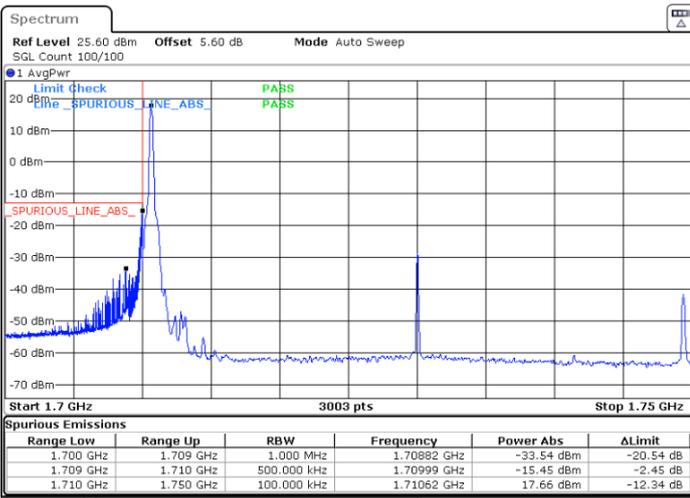
Date: 26.NOV.2021 14:26:36



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

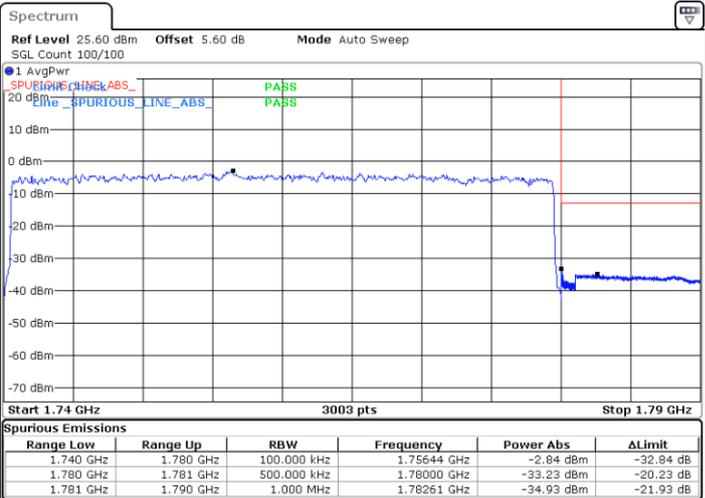
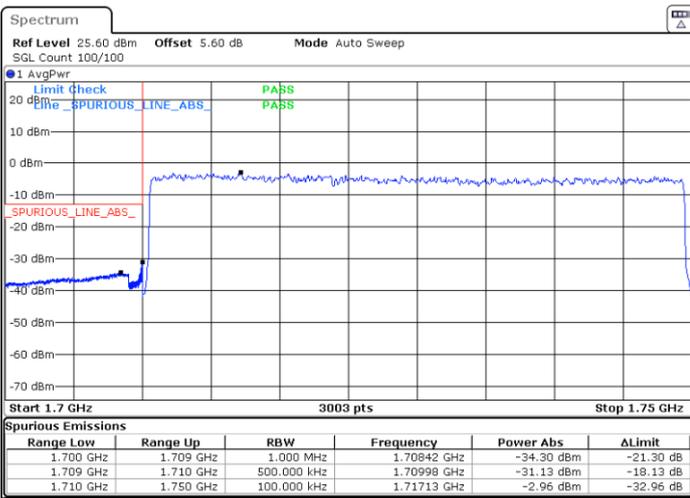


Date: 26.NOV.2021 14:15:11

Date: 26.NOV.2021 14:29:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2021 14:16:07

Date: 26.NOV.2021 14:30:13

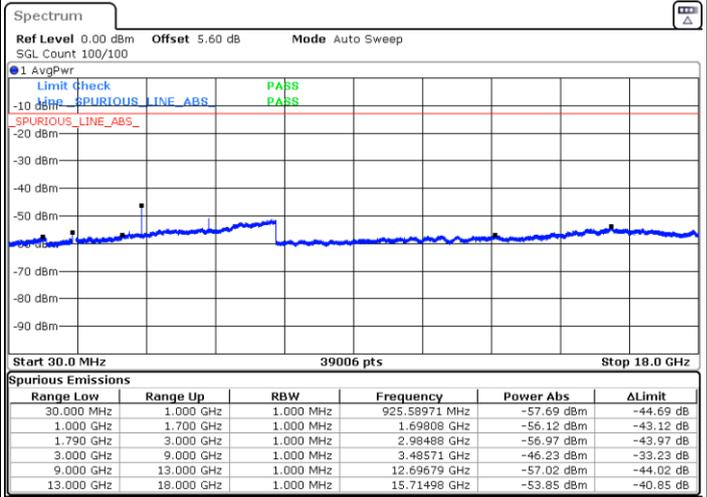
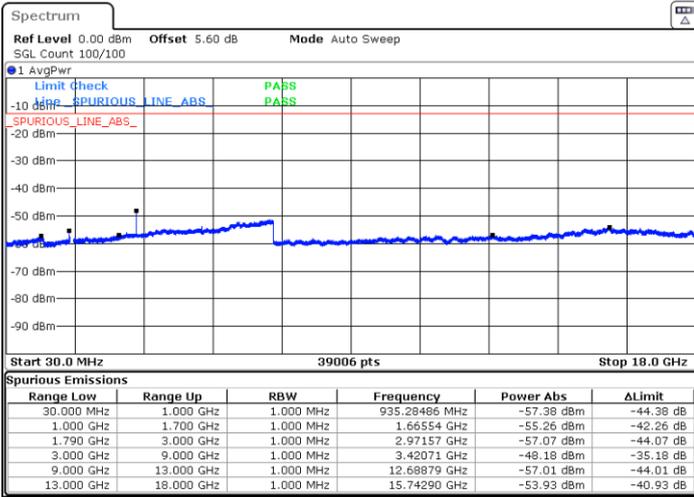


Conducted Spurious Emission

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

Lowest Channel / 1RB1

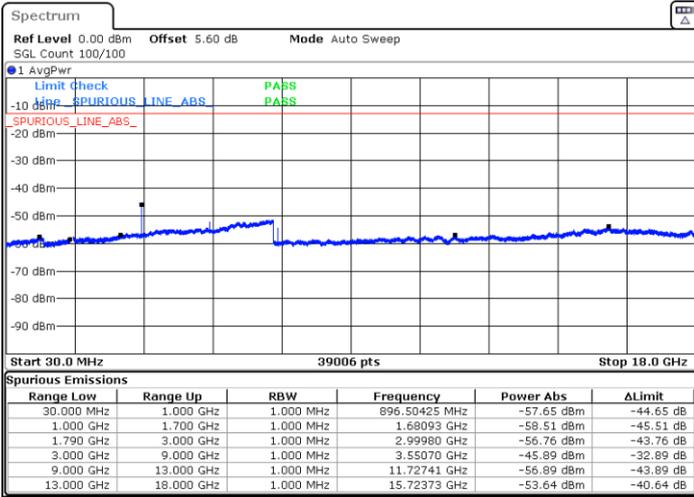
Middle Channel / 1RB1



Date: 26.NOV.2021 03:26:06

Date: 26.NOV.2021 03:43:17

Highest Channel / 1RB1



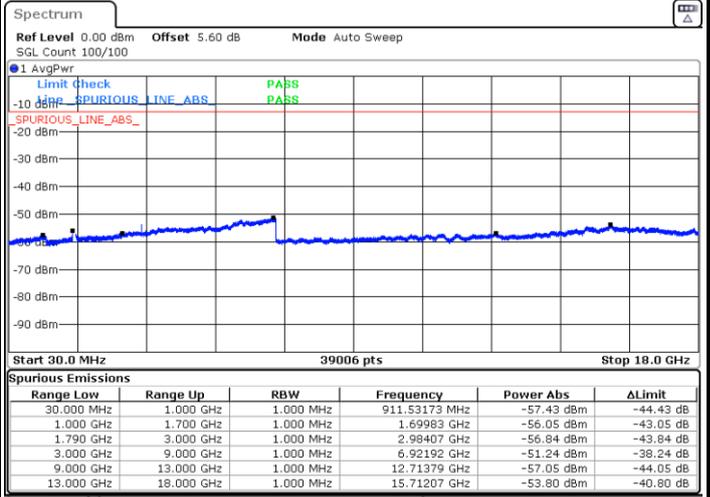
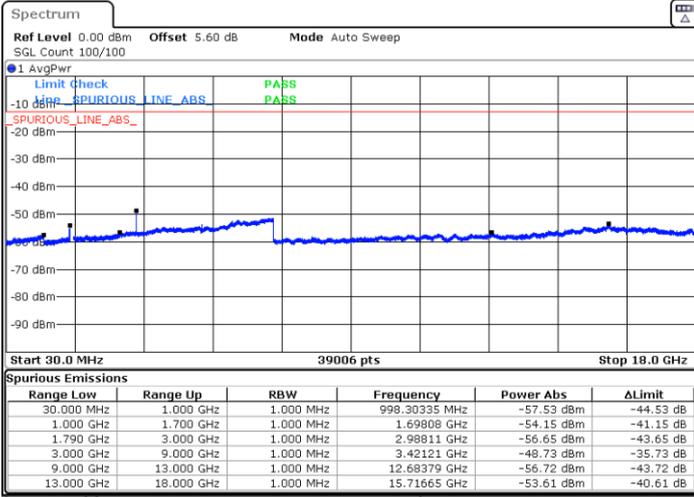
Date: 26.NOV.2021 03:46:26



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

Lowest Channel / 1RB1

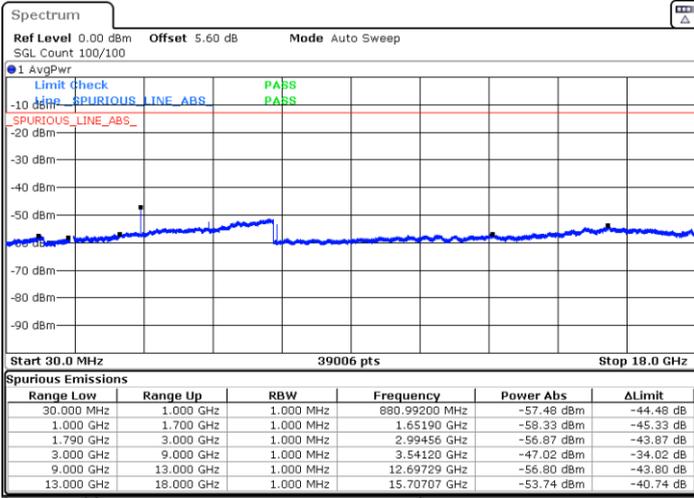
Middle Channel / 1RB1



Date: 26.NOV.2021 04:01:40

Date: 26.NOV.2021 04:10:51

Highest Channel / 1RB1



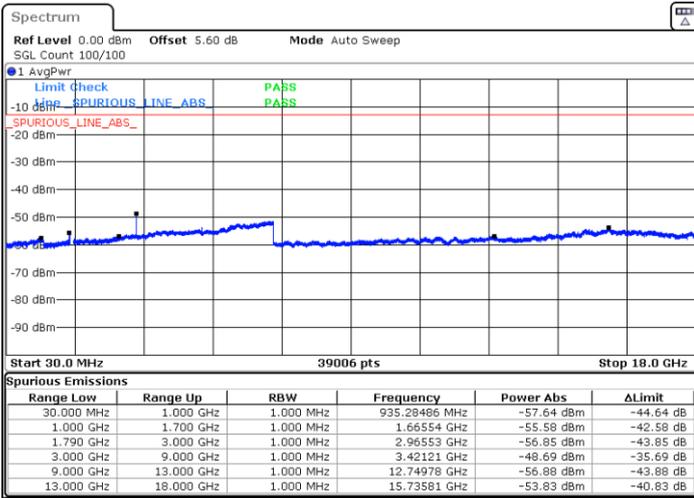
Date: 26.NOV.2021 04:14:02



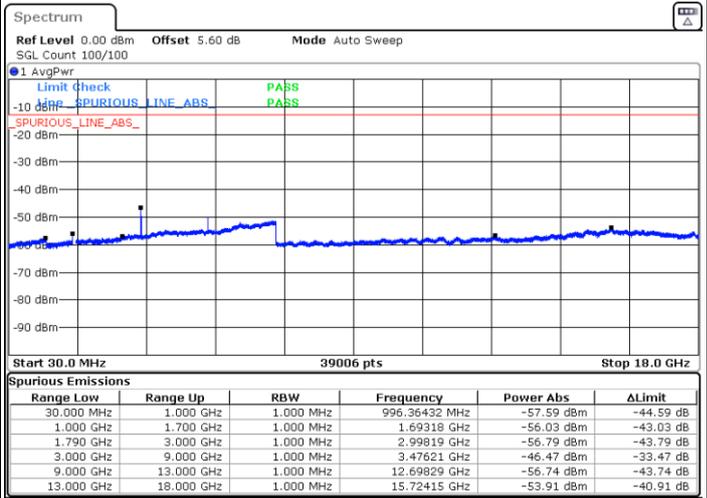
FR1 n66 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

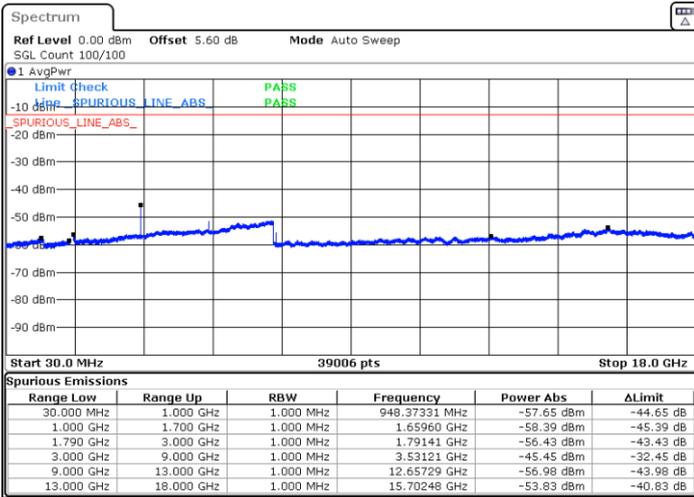


Date: 26.NOV.2021 04:24:58



Date: 26.NOV.2021 04:32:57

Highest Channel / 1RB1



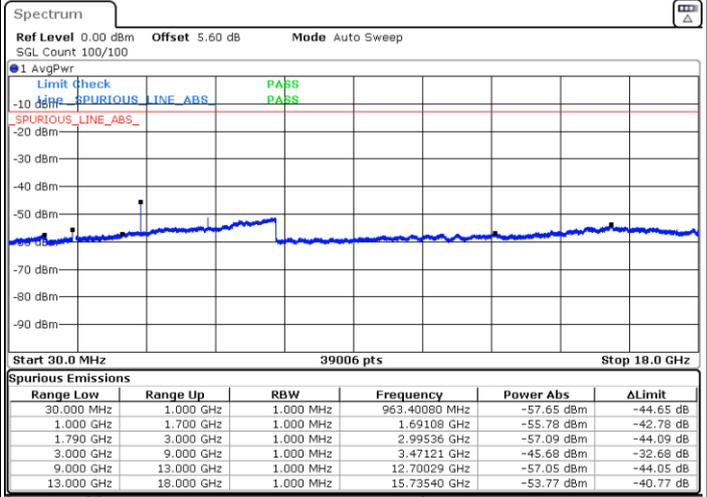
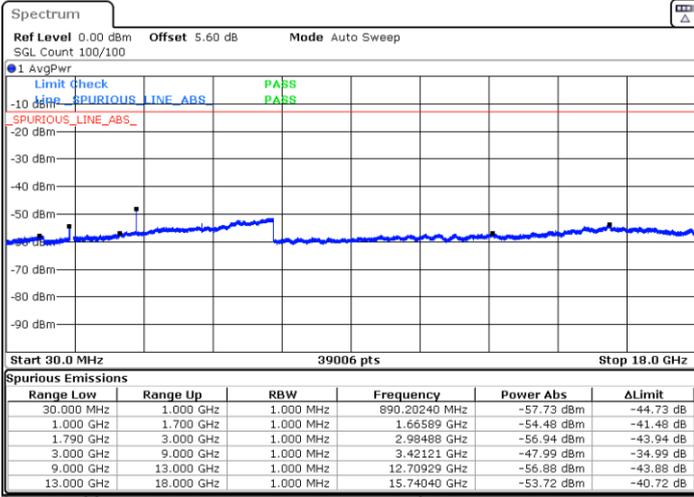
Date: 26.NOV.2021 04:34:43



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

Lowest Channel / 1RB1

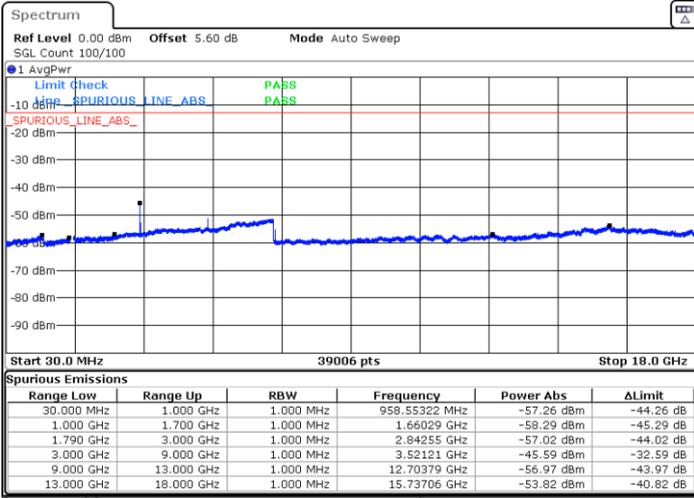
Middle Channel / 1RB1



Date: 26.NOV.2021 04:43:45

Date: 26.NOV.2021 04:49:58

Highest Channel / 1RB1



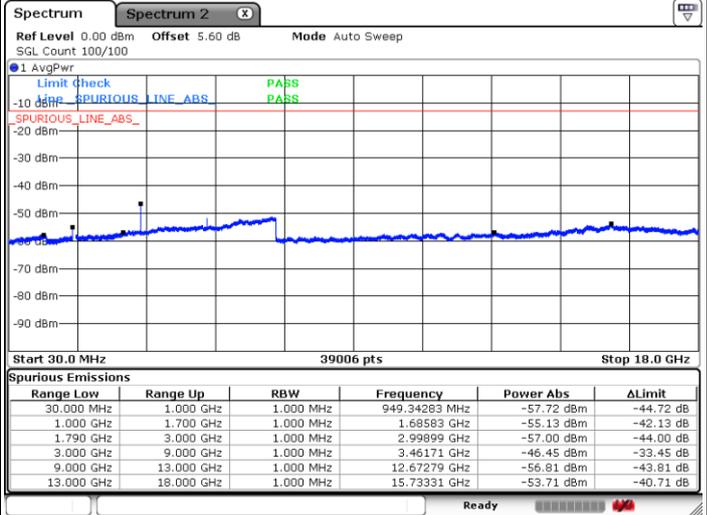
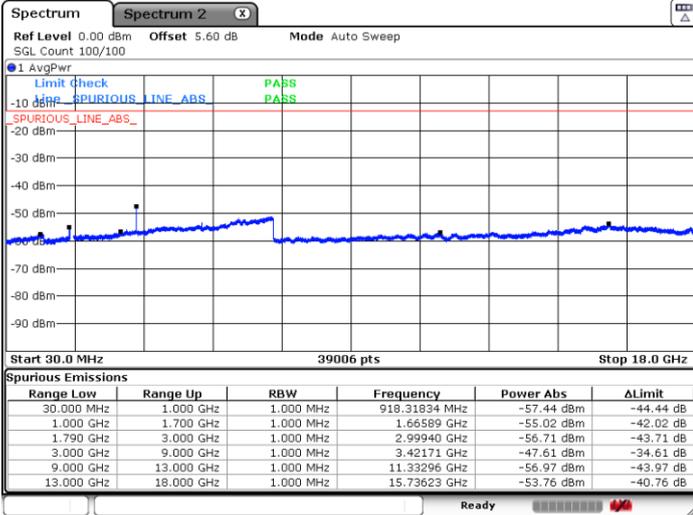
Date: 26.NOV.2021 04:51:56



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

Lowest Channel / 1RB1

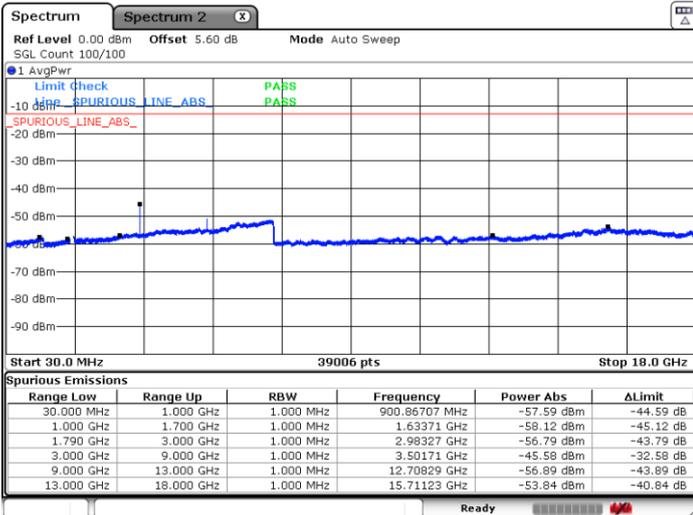
Middle Channel / 1RB1



Date: 26.NOV.2021 08:50:42

Date: 26.NOV.2021 08:48:40

Highest Channel / 1RB1



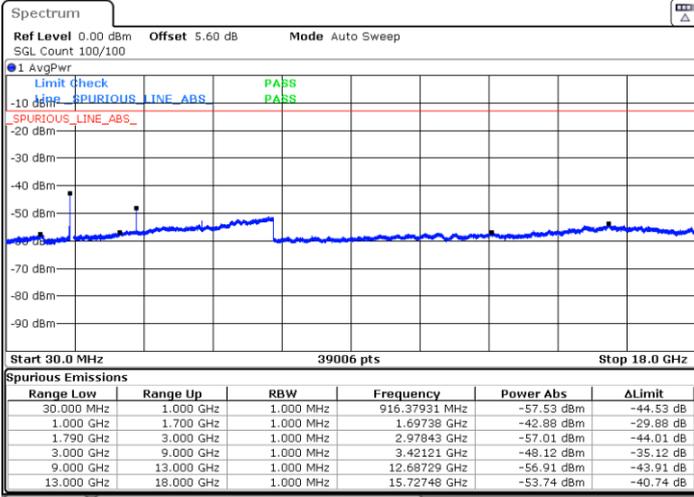
Date: 26.NOV.2021 09:50:51



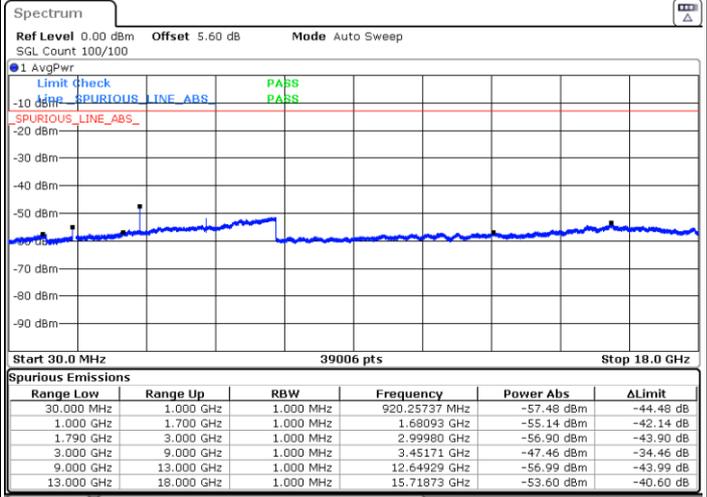
FR1 n66 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

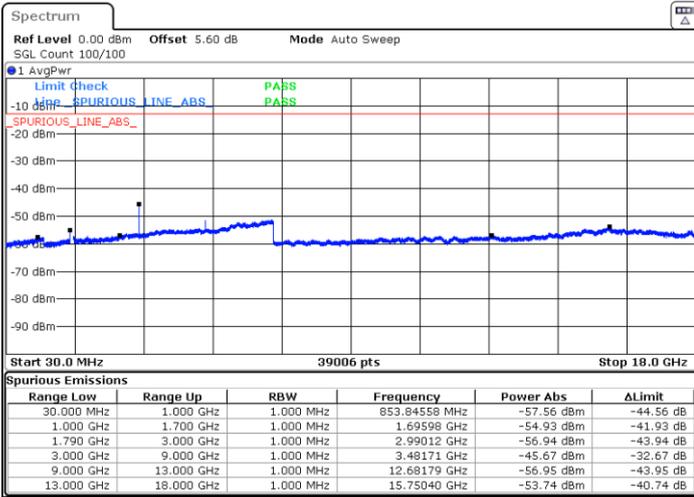


Date: 26.NOV.2021 14:19:28



Date: 26.NOV.2021 12:43:44

Highest Channel / 1RB1



Date: 26.NOV.2021 14:22:33



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0010	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 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	-66.34	-13	-53.34	-73.31	1.58	10.70	H
	2482	-62.79	-13	-49.79	-71.04	2.10	12.50	H
	3312	-61.84	-13	-48.84	-70.73	2.86	13.90	H
	1656	-65.31	-13	-52.31	-72.28	1.58	10.70	V
	2482	-58.34	-13	-45.34	-66.59	2.10	12.50	V
	3312	-61.60	-13	-48.60	-70.49	2.86	13.90	V

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

EN-DC_7A_n5A / LTE 10MHz + 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	1672	-66.74	-13	-53.74	-73.71	1.58	10.70	H
	2508	-62.66	-13	-49.66	-70.91	2.10	12.50	H
	3348	-61.77	-13	-48.77	-70.66	2.86	13.90	H
	1672	-65.81	-13	-52.81	-72.78	1.58	10.70	V
	2508	-61.98	-13	-48.98	-70.23	2.10	12.50	V
	3348	-62.08	-13	-49.08	-70.97	2.86	13.90	V

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

SA n7 / NR 20MHz / QPSK / 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	5052	-61.68	-25	-36.68	-71.89	3.03	13.24	H
	7576	-62.08	-25	-37.08	-71.53	3.56	13.01	H
	10100	-62.98	-25	-37.98	-72.50	3.92	13.44	H
	5052	-61.00	-25	-36.00	-71.21	3.03	13.24	V
	7578	-61.52	-25	-36.52	-70.97	3.56	13.01	V
	10100	-63.26	-25	-38.26	-72.78	3.92	13.44	V

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



EN-DC_5A_n7A / LTE 10MHz + NR 20MHz / QPSK / ANT3(LTE) & ANT4(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	-62.89	-25	-37.89	-73.10	3.03	13.24	H
	7576	-61.70	-25	-36.70	-71.15	3.56	13.01	H
	10100	-63.19	-25	-38.19	-72.71	3.92	13.44	H
	5052	-65.21	-25	-40.21	-75.42	3.03	13.24	V
	7576	-63.55	-25	-38.55	-73.00	3.56	13.01	V
	10100	-63.10	-25	-38.10	-72.62	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 20MHz / QPSK / ANT3(LTE) & ANT4(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	-64.67	-25	-39.67	-74.88	3.03	13.24	H
	7576	-63.47	-25	-38.47	-72.92	3.56	13.01	H
	10100	-62.91	-25	-37.91	-72.43	3.92	13.44	H
	5052	-65.13	-25	-40.13	-75.34	3.03	13.24	V
	7576	-63.28	-25	-38.28	-72.73	3.56	13.01	V
	10100	-62.90	-25	-37.90	-72.42	3.92	13.44	V

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

SA n38 / NR 15MHz / 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	5156	-64.79	-25	-39.79	-75.00	3.03	13.24	H
	7732	-62.91	-25	-37.91	-72.36	3.56	13.01	H
	10310	-61.69	-25	-36.69	-71.21	3.92	13.44	H
	5152	-64.85	-25	-39.85	-75.06	3.03	13.24	V
	7732	-63.03	-25	-38.03	-72.48	3.56	13.01	V
	10310	-62.06	-25	-37.06	-71.58	3.92	13.44	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	5096	-64.74	-25	-39.74	-74.95	3.03	13.24	H
	7644	-62.77	-25	-37.77	-72.22	3.56	13.01	H
	10190	-62.12	-25	-37.12	-71.64	3.92	13.44	H
	5096	-65.07	-25	-40.07	-75.28	3.03	13.24	V
	7644	-63.39	-25	-38.39	-72.84	3.56	13.01	V
	10190	-62.63	-25	-37.63	-72.15	3.92	13.44	V

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

SA n66 / NR 40MHz / QPSK / 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	3471	-59.93	-13	-46.93	-70.67	2.60	13.34	H
	5208	-54.56	-13	-41.56	-65.07	3.01	13.52	H
	6948	-56.56	-13	-43.56	-66.76	3.27	13.47	H
	3471	-59.85	-13	-46.85	-70.59	2.60	13.34	V
	5208	-55.74	-13	-42.74	-66.25	3.01	13.52	V
	6948	-56.61	-13	-43.61	-66.81	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 / ANT3(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	3471	-58.84	-13	-45.84	-69.58	2.60	13.34	H
	5208	-58.19	-13	-45.19	-68.70	3.01	13.52	H
	6948	-56.91	-13	-43.91	-67.11	3.27	13.47	H
	3471	-60.36	-13	-47.36	-71.10	2.60	13.34	V
	5208	-56.83	-13	-43.83	-67.34	3.01	13.52	V
	6948	-56.95	-13	-43.95	-67.15	3.27	13.47	V

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



EN-DC_7A_n66A / LTE 10MHz + NR 40MHz / QPSK / ANT3(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	3471	-58.50	-13	-45.50	-69.24	2.60	13.34	H
	5208	-57.71	-13	-44.71	-68.22	3.01	13.52	H
	6948	-56.77	-13	-43.77	-66.97	3.27	13.47	H
	3471	-58.47	-13	-45.47	-69.21	2.60	13.34	V
	5208	-57.83	-13	-44.83	-68.34	3.01	13.52	V
	6948	-56.54	-13	-43.54	-66.74	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	3471	-59.72	-13	-46.72	-70.46	2.60	13.34	H
	5208	-57.30	-13	-44.30	-67.81	3.01	13.52	H
	6948	-56.97	-13	-43.97	-67.17	3.27	13.47	H
	3471	-60.06	-13	-47.06	-70.80	2.60	13.34	V
	5208	-57.95	-13	-44.95	-68.46	3.01	13.52	V
	6948	-56.86	-13	-43.86	-67.06	3.27	13.47	V

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