

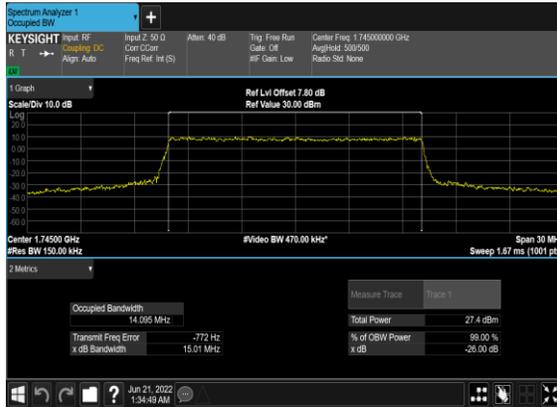
B2_N66(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



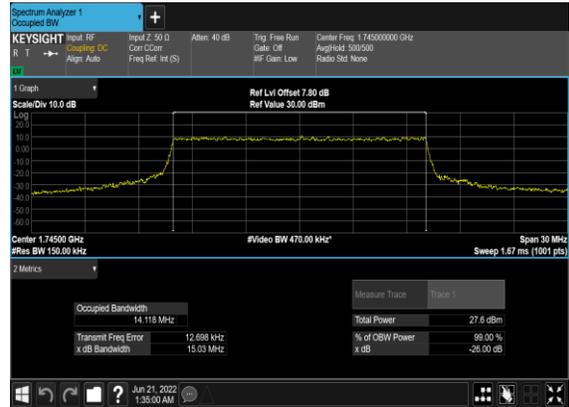
B2_N66(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



B2_N66(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



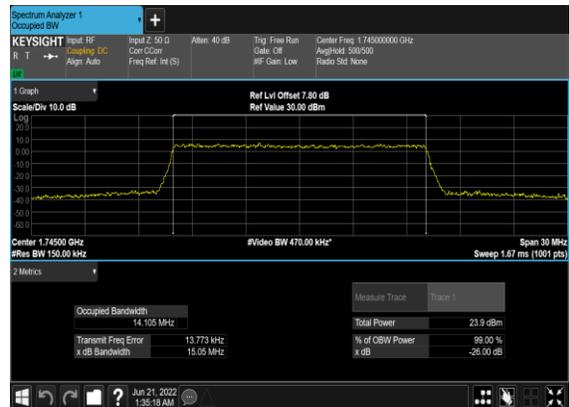
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QAM_Outer_Full_Mid_CH



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QAM_Outer_Full_Mid_CH



B2_N66(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



B2_N66(20M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



B2_N66(20M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



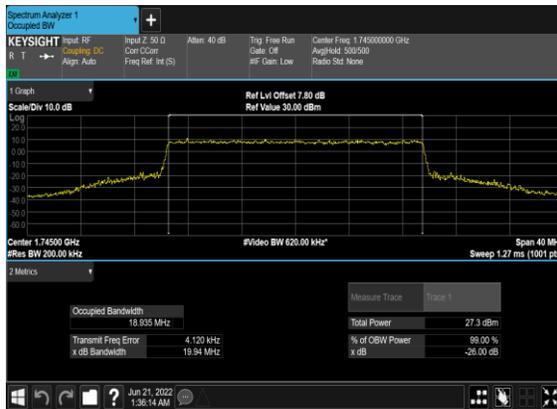
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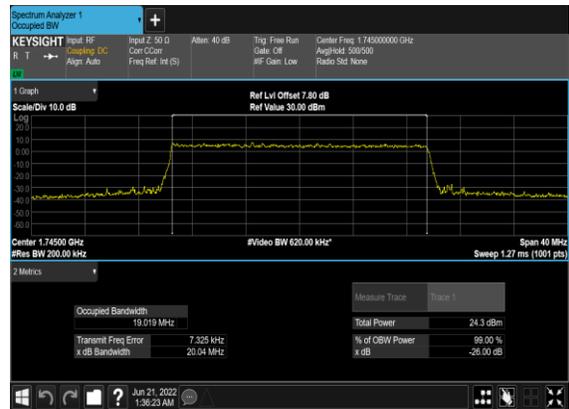
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B2_N66(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B2_N66(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



B2_N66(30M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



B2_N66(30M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



B2_N66(30M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



B2_N66(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



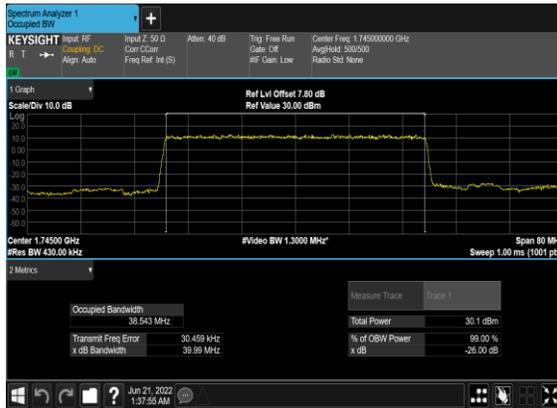
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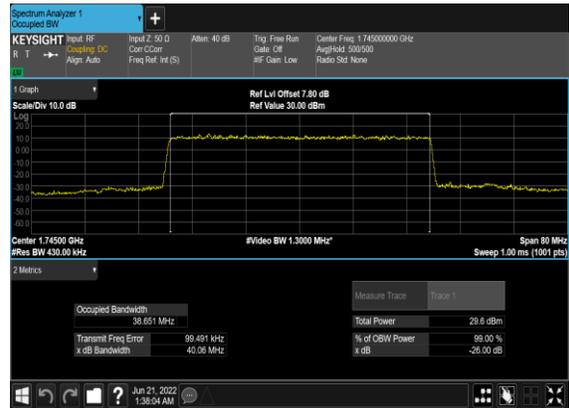
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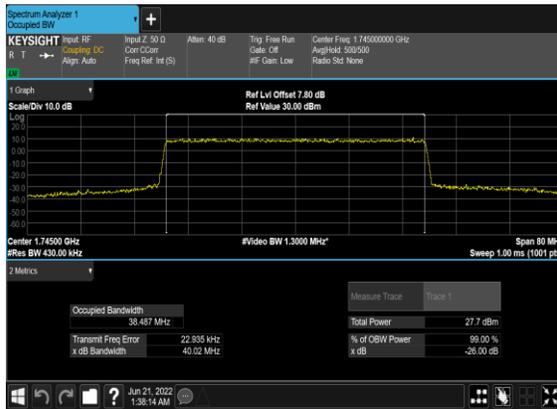
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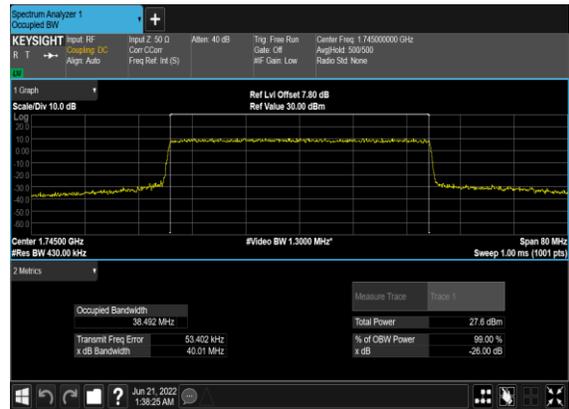
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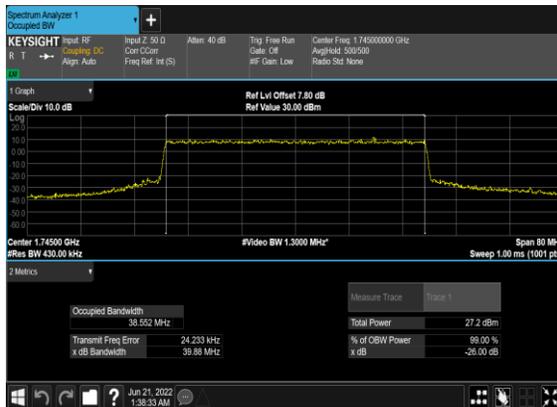
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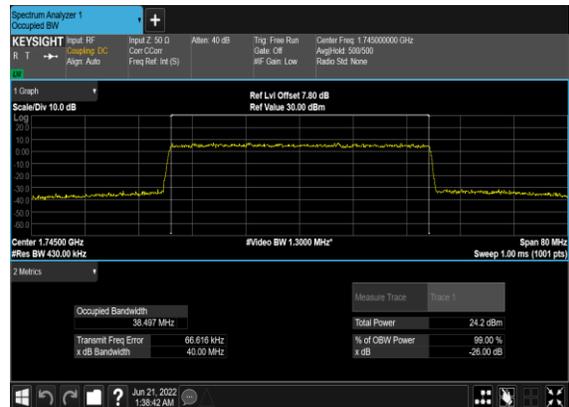
B2_N66(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B2_N66(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B2_N66(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

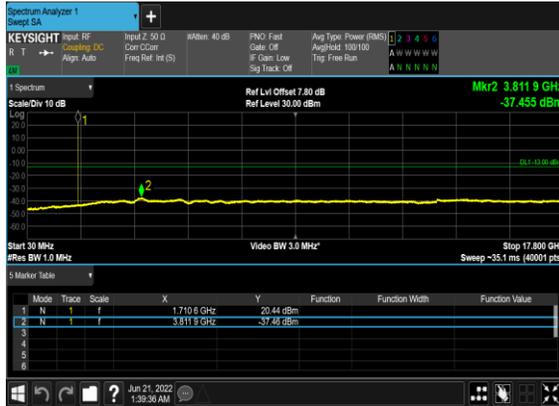


Conducted Spurious Emissions

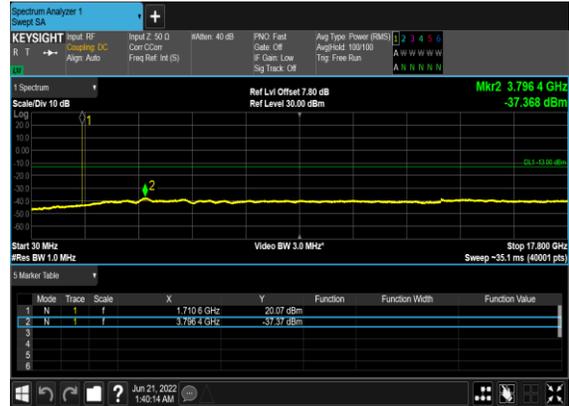
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	422500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	422500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	435500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	424000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	424000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	434000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	434000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	PASS

66	15	20	434000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	426000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	432000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

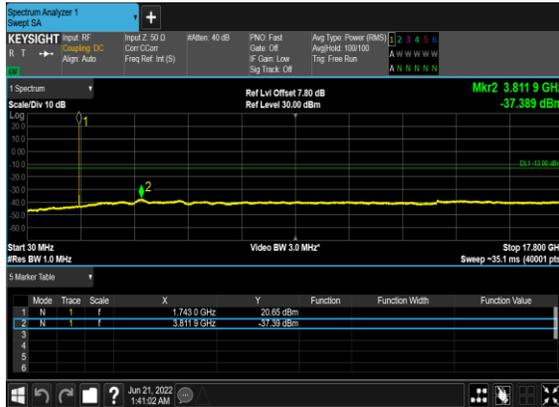
B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



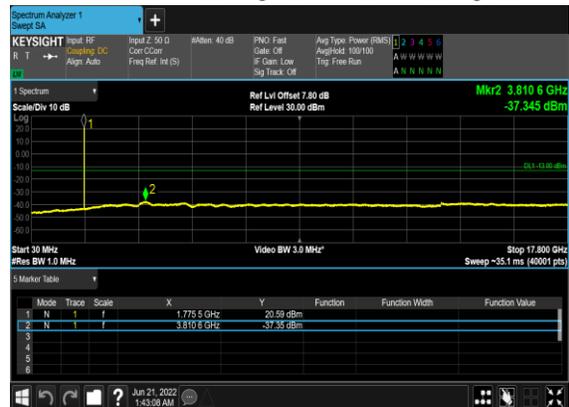
B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



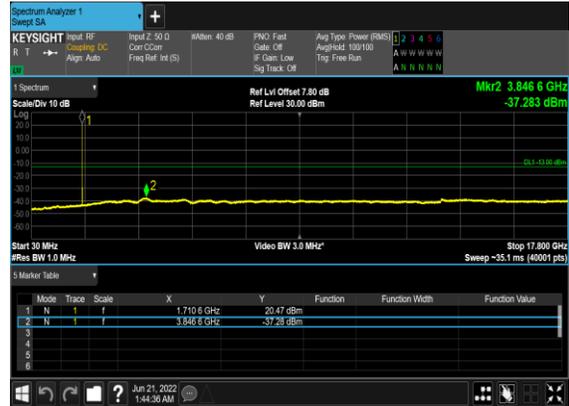
B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



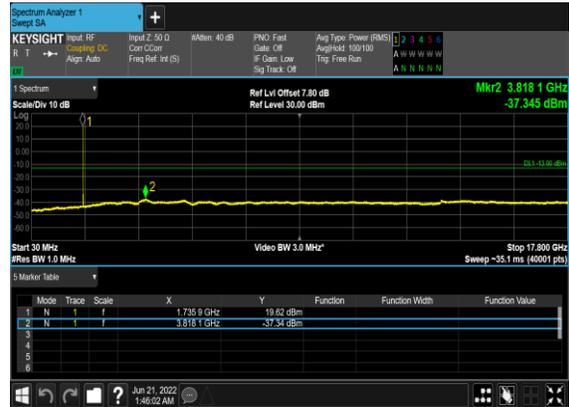
B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



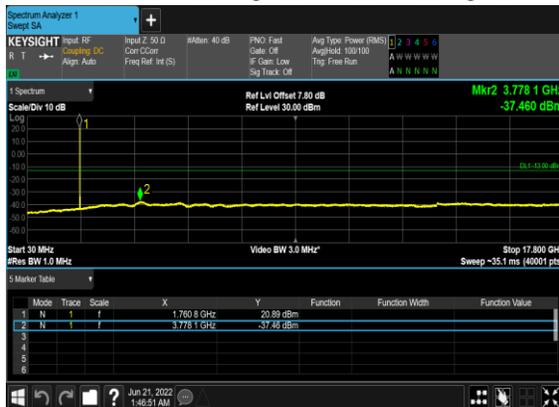
B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



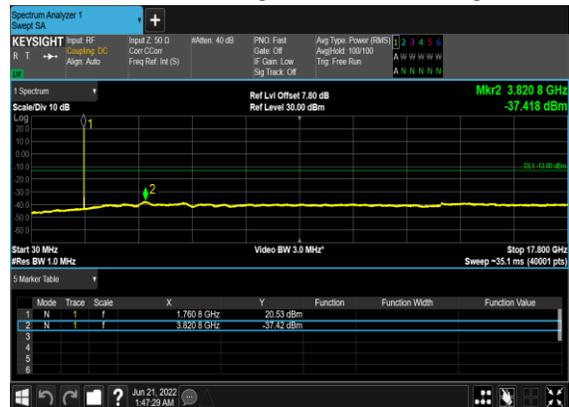
B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



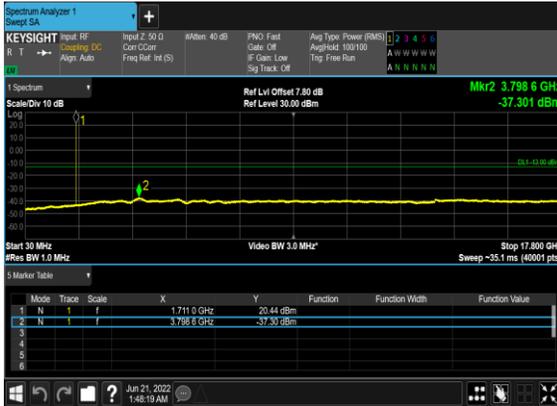
B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



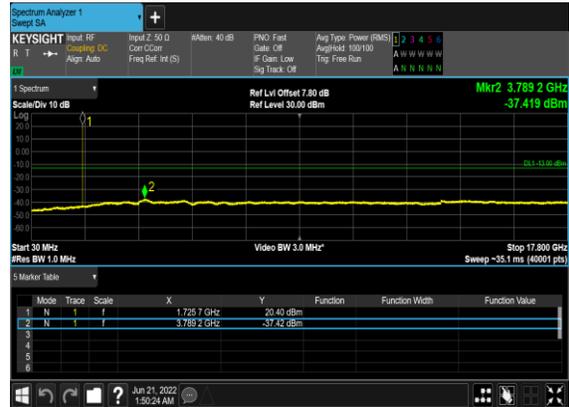
B2_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



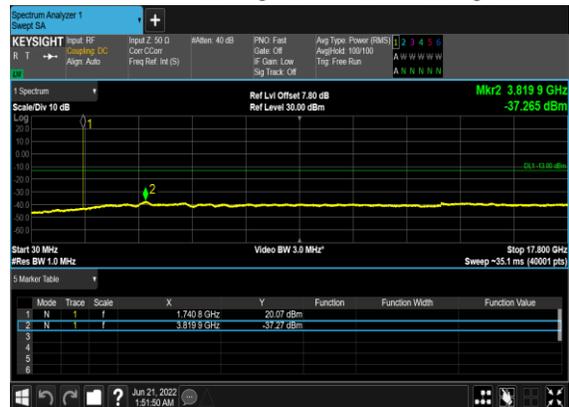
B2_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



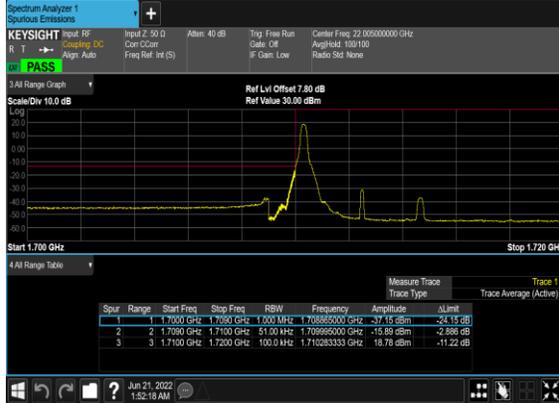
B2_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	422500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	422500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	20	424000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	424000	1720.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
66	15	20	434000	1770.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
66	15	20	434000	1770.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	216@0	see graph	PASS

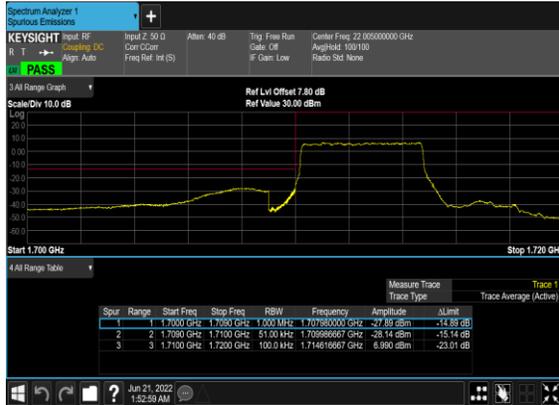
B2_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



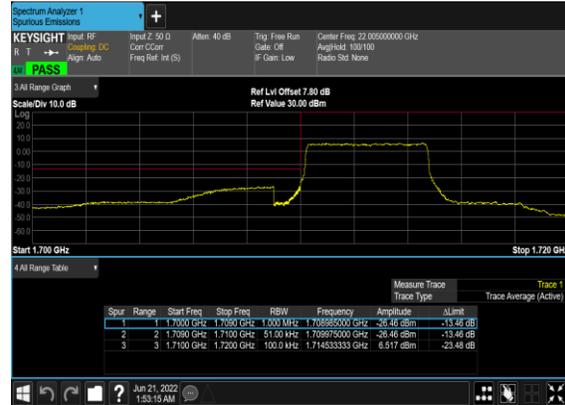
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OFDM_QPSK_Edge_1RB_Left_Low_CH



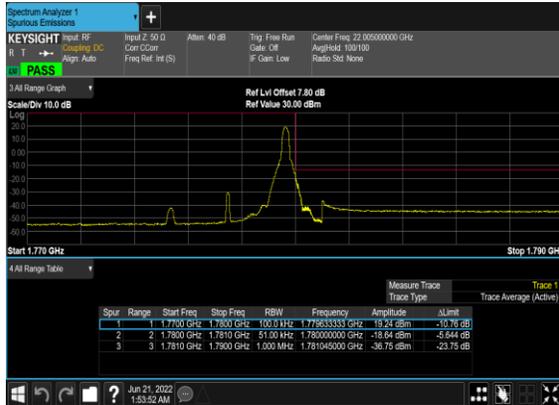
B2_N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



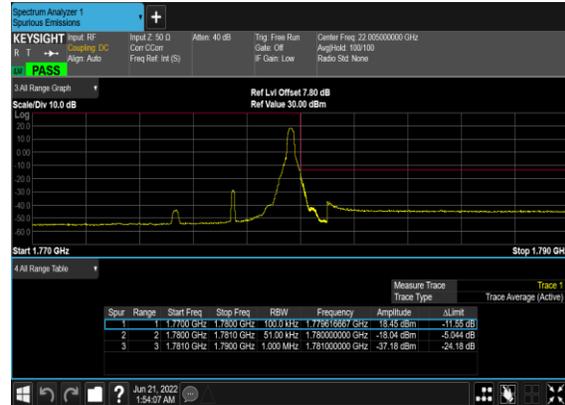
B2_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B2_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



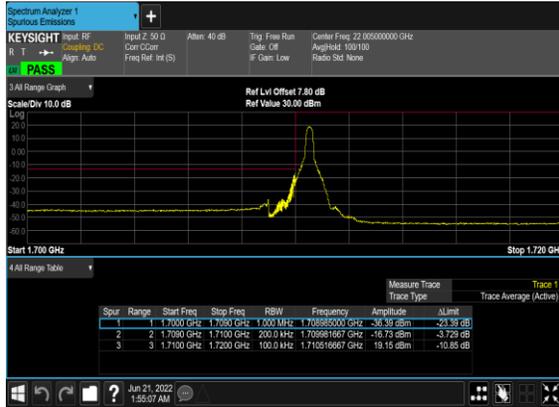
B2_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



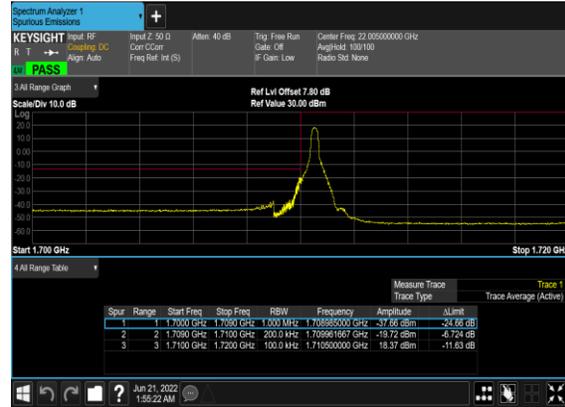
B2_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



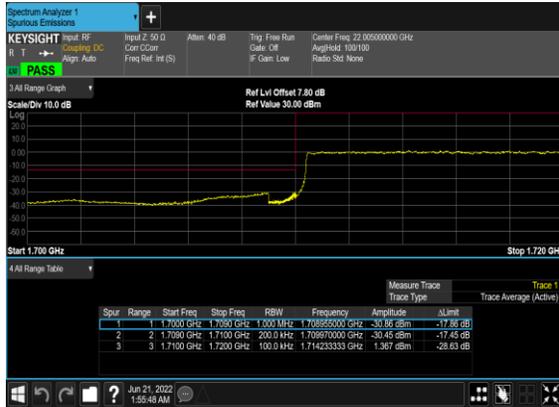
B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



B2_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



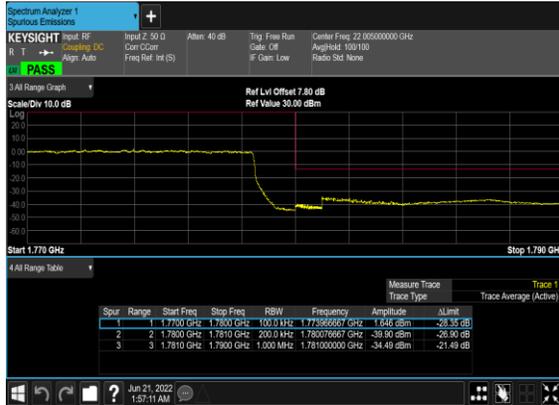
B2_N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



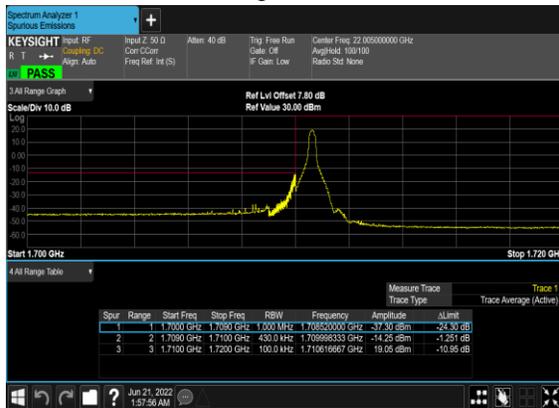
B2_N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



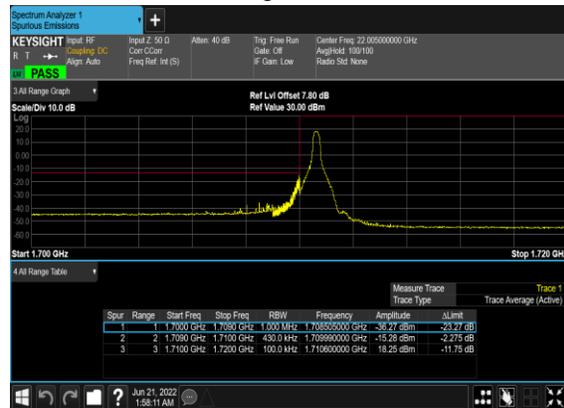
B2_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



B2_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



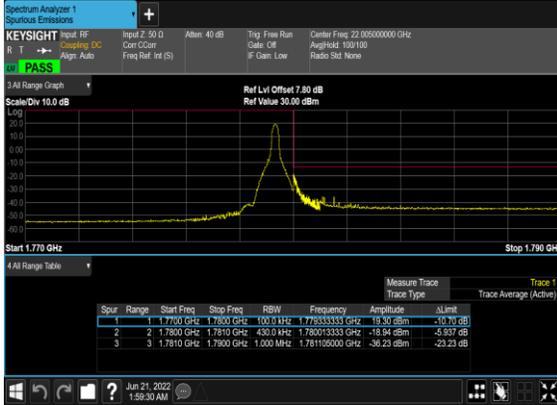
B2_N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



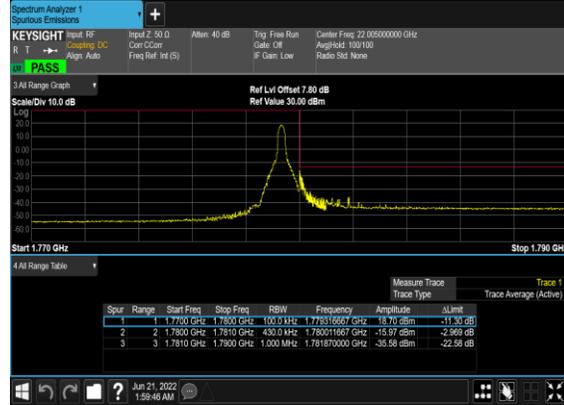
B2_N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



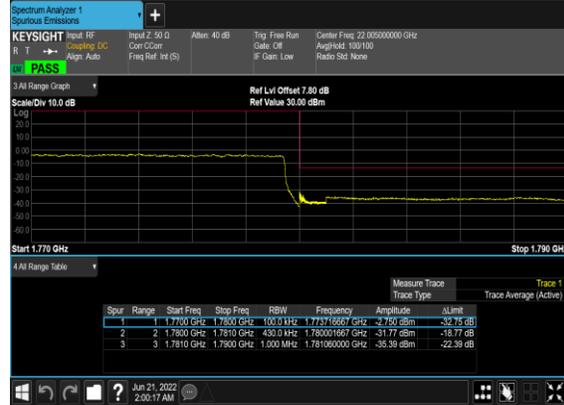
B2_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B2_N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Levi zhuo	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

SA n5 / NR 20MHz / QPSK / ANT0								
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	-64.14	-13	-51.14	-71.11	1.58	10.70	H
	2480	-59.04	-13	-46.04	-67.29	2.10	12.50	H
	3312	-59.46	-13	-46.46	-68.35	2.86	13.90	H
	1656	-64.25	-13	-51.25	-71.22	1.58	10.70	V
	2480	-58.65	-13	-45.65	-66.90	2.10	12.50	V
	3312	-59.65	-13	-46.65	-68.54	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 / ANT2(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	-65.84	-13	-52.84	-72.81	1.58	10.70	H
	2480	-61.22	-13	-48.22	-69.47	2.10	12.50	H
	3312	-60.04	-13	-47.04	-68.93	2.86	13.90	H
	1656	-64.64	-13	-51.64	-71.61	1.58	10.70	V
	2480	-59.43	-13	-46.43	-67.68	2.10	12.50	V
	3312	-60.20	-13	-47.20	-69.09	2.86	13.90	V

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



SA n7 / NR 40MHz / QPSK / ANT2								
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	5032	-63.65	-25	-38.65	-73.86	3.03	13.24	H
	7552	-63.39	-25	-38.39	-72.84	3.56	13.01	H
	10070	-61.51	-25	-36.51	-71.03	3.92	13.44	H
	5032	-63.70	-25	-38.70	-73.91	3.03	13.24	V
	7552	-63.22	-25	-38.22	-72.67	3.56	13.01	V
	10070	-61.95	-25	-36.95	-71.47	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 40MHz / QPSK / ANT1(LTE) & ANT2(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	5032	-63.38	-25	-38.38	-73.59	3.03	13.24	H
	7552	-63.33	-25	-38.33	-72.78	3.56	13.01	H
	10070	-54.38	-25	-29.38	-63.90	3.92	13.44	H
	5032	-63.34	-25	-38.34	-73.55	3.03	13.24	V
	7552	-62.99	-25	-37.99	-72.44	3.56	13.01	V
	10070	-58.68	-25	-33.68	-68.20	3.92	13.44	V

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

SA n41 / NR 100MHz / QPSK / ANT2								
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	-63.95	-25	-38.95	-74.16	3.03	13.24	H
	7644	-62.88	-25	-37.88	-72.33	3.56	13.01	H
	10180	-58.98	-25	-33.98	-68.50	3.92	13.44	H
	5096	-63.94	-25	-38.94	-74.15	3.03	13.24	V
	7644	-62.83	-25	-37.83	-72.28	3.56	13.01	V
	10190	-61.62	-25	-36.62	-71.14	3.92	13.44	V

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



EN-DC_66A_n41A / LTE 20MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT2(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	-63.61	-25	-38.61	-73.82	3.03	13.24	H
	7644	-63.30	-25	-38.30	-72.75	3.56	13.01	H
	10190	-61.29	-25	-36.29	-70.81	3.92	13.44	H
	5096	-63.38	-25	-38.38	-73.59	3.03	13.24	V
	7644	-62.73	-25	-37.73	-72.18	3.56	13.01	V
	10190	-61.72	-25	-36.72	-71.24	3.92	13.44	V

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

SA n66 / NR 40MHz / QPSK / ANT2								
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	3453	-57.76	-13	-44.76	-68.50	2.604	13.34	H
	5181	-55.06	-13	-42.06	-65.57	3.011	13.52	H
	6912	-53.87	-13	-40.87	-64.07	3.271	13.47	H
	3453	-57.93	-13	-44.93	-68.67	2.604	13.34	V
	5181	-55.22	-13	-42.22	-65.73	3.011	13.52	V
	6912	-53.67	-13	-40.67	-63.87	3.271	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 / ANT3(LTE) & ANT1(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	3453	-58.33	-13	-45.33	-69.07	2.604	13.34	H
	5181	-55.38	-13	-42.38	-65.89	3.011	13.52	H
	6912	-53.82	-13	-40.82	-64.02	3.271	13.47	H
	3453	-58.40	-13	-45.40	-69.14	2.604	13.34	V
	5181	-55.28	-13	-42.28	-65.79	3.011	13.52	V
	6912	-54.33	-13	-41.33	-64.53	3.271	13.47	V

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



EN-DC_5A_n66A / LTE 100MHz + NR 40MHz / QPSK / ANT1(LTE) & ANT2(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	3453	-57.60	-13	-44.60	-68.34	2.604	13.34	H
	5181	-55.18	-13	-42.18	-65.69	3.011	13.52	H
	6912	-55.69	-13	-42.69	-65.89	3.271	13.47	H
	3453	-57.98	-13	-44.98	-68.72	2.604	13.34	V
	5181	-55.10	-13	-42.10	-65.61	3.011	13.52	V
	6908	-55.54	-13	-42.54	-65.74	3.271	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 / ANT1(LTE) & ANT2(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	3453	-58.35	-13	-45.35	-69.09	2.604	13.34	H
	5181	-55.59	-13	-42.59	-66.10	3.011	13.52	H
	6912	-54.32	-13	-41.32	-64.52	3.271	13.47	H
	3453	-58.57	-13	-45.57	-69.31	2.604	13.34	V
	5181	-55.59	-13	-42.59	-66.10	3.011	13.52	V
	6912	-53.93	-13	-40.93	-64.13	3.271	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) & ANT2(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	3453	-57.86	-13	-44.86	-68.60	2.604	13.34	H
	5181	-55.53	-13	-42.53	-66.04	3.011	13.52	H
	6912	-54.51	-13	-41.51	-64.71	3.271	13.47	H
	3453	-58.35	-13	-45.35	-69.09	2.604	13.34	V
	5181	-55.20	-13	-42.20	-65.71	3.011	13.52	V
	6912	-54.39	-13	-41.39	-64.59	3.271	13.47	V

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