

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

EIRP Test data: N48 _ 10MHz Bandwidth											
Modulation	Conducted Power (dBm)			Antenna gain		EIRP (dBm)			MIMO Total EIRP (dBm)		
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH
QPSK	36.04	36.15	36.2	/	4.00	40.04	40.15	40.20	46.06	46.17	46.22

Note:

- 1) EIRP = Conducted output power + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP=EIRP+10Log(N), N= Antenna number

EIRP Test data: N48 _ 10MHz Bandwidth											
Modulation	Conducted Power (dBm)			Antenna gain		EIRP (dBm)			MIMO Total EIRP (dBm)		
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH
QPSK	/	22.24	/	/	18.00	/	40.24	/	/	46.26	/

Note:

- 1) EIRP = Conducted output power + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP=EIRP+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

EIRP Test data: N48 _ 20MHz Bandwidth											
Modulation	Conducted Power (dBm)			Antenna gain		EIRP (dBm)			MIMO EIRP (dBm)		
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH
QPSK	36.1	36.02	36.12	/	4.00	40.10	40.02	40.12	46.12	46.04	46.14

Note:

- 1) EIRP = Conducted output power + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP=EIRP+10Log(N), N= Antenna number

EIRP Test data: N48 _ 20MHz Bandwidth											
Modulation	Conducted Power (dBm)			Antenna gain		EIRP (dBm)			MIMO EIRP (dBm)		
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH
QPSK	/	25.63	/	/	18.00	/	43.63	/	/	49.65	/

Note:

- 1) EIRP = Conducted output power + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP=EIRP+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.



EIRP Test data_Intra-band CA contiguous for Band 48_ 10MHz Bandwidth											
Carrier	Modulation	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	36.14	36.03	36.2	4.00	40.14	40.03	40.2	46.16	46.05	46.22
5C	QPSK	36.37	36.4	36.07	4.00	40.37	40.4	40.07	46.39	46.42	46.09

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

EIRP Test data_Intra-band CA contiguous for Band 48_ 10MHz Bandwidth											
Carrier	Modulation	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	/	25.32	/	18.00	/	43.32	/	/	49.34	/
5C	QPSK		29.54	/	18.00	/	47.54	/	/	53.56	/

Note:

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- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

EIRP Test data_Intra-band CA contiguous for Band 48_ 20MHz Bandwidth											
Carrier	Modulation	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	36.14	36.03	36.2	4.00	40.14	40.03	40.2	46.16	46.05	46.22
5C	QPSK	36.43	36.32	36.26	4.00	40.43	40.32	40.26	46.45	46.34	46.28

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

EIRP Test data_Intra-band CA contiguous for Band 48_ 20MHz Bandwidth											
Carrier	Modulation	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	/	28.58	/	18.00	/	46.58	/	/	52.6	/



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5C	QPSK		32.55	/	18.00	/	50.55	/	/	56.57	/
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Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

EIRP Test data_Intra-band CA NON-contiguous for Band 48_ 10MHz Bandwidth											
Carrier	Modulation	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	/	36.09	/	4.00	/	40.09	/	/	46.11	/
3C	QPSK	36.14	36.21	36.08	4.00	40.14	40.21	40.08	46.16	46.23	46.1
4C	QPSK	/	36.31	/	4.00	/	40.31	/	/	46.33	/
6C	QPSK	/	36.31	/	4.00	/	40.31	/	/	46.33	/

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
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- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

EIRP Test data_Intra-band CA NON-contiguous for Band 48_ 10MHz Bandwidth											
Carrier	Modulation	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	/	25.42	/	18.00	/	43.42	/	/	49.44	/
3C	QPSK	/	27.17	/	18.00	/	45.17	/	/	51.19	/
4C	QPSK	/	28.48	/	18.00	/	46.48	/	/	52.5	/
6C	QPSK	/	30.18	/	18.00	/	48.18	/	/	54.2	/

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

EIRP Test data_Intra-band CA NON-contiguous for Band 48_ 20MHz Bandwidth											
Carrier	Modulation	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	/	35.66	/	4.00	/	37.58	/	/	43.6	/



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3C	QPSK	35.94	35.8	36.23	4.00	39.94	39.8	40.23	45.96	45.82	46.25
4C	QPSK	/	36.27	/	4.00	/	40.27	/	/	46.29	/
6C	QPSK	/	36.35	/	4.00	/	40.35	/	/	46.37	/

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

EIRP Test data_Intra-band CA NON-contiguous for Band 48_ 20MHz Bandwidth

Carrier	Modulation	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	/	28.49	/	18.00	/	46.49	/	/	52.51	/
3C	QPSK	/	30.32	/	18.00	/	48.32	/	/	54.34	/
4C	QPSK	/	31.68	/	18.00	/	49.68	/	/	55.7	/
6C	QPSK	/	33.4	/	18.00	/	51.4	/	/	57.42	/

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

EIRP Test data: N48_ 10MHz Bandwidth

Modulation	Conducted Power (dBm/10MHz)			Antenna gain		EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	36.04	36.15	36.2	/	4.00	40.04	40.15	40.20	46.06	46.17	46.22	47.0	PASS

Note:

- 1) EIRP = Conducted output power + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP=EIRP+10Log(N), N= Antenna number

EIRP Test data: LTE Band48 10MHz Bandwidth

Modulation	Conducted Power (dBm/10MHz)			Antenna gain		EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	/	22.24	/	/	18.00	/	40.24	/	/	46.26	/	47.0	PASS

Note:

- 1) EIRP = Conducted output power + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP=EIRP+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.



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EIRP Test data: N48_ 20MHz Bandwidth													
Modulation	Conducted Power (dBm/10MHz)			Antenna gain		EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	33.02	33.19	33.05	/	4.00	37.02	37.19	37.05	43.04	43.21	43.07	47.0	PASS

Note:

- 1) EIRP = Conducted output power + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP=EIRP+10Log(N), N= Antenna number

EIRP Test data: LTE Band48 20MHz Bandwidth													
Modulation	Conducted Power (dBm/10MHz)			Antenna gain		EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	/	22.84	/	/	18.00	/	40.84	/	/	46.86	/	47.0	PASS

Note:

- 1) EIRP = Conducted output power + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP=EIRP+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

EIRP Test data_Intra-band CA contiguous for Band 48_ 10MHz Bandwidth													
Carrier	Modulation	Conducted Power (dBm/10MHz)			Antenna Gain (dBi)	EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	33.27	33.02	33.1	4.00	37.27	37.02	37.1	43.29	43.04	43.12	47.0	PASS
5C	QPSK	29.4	29.39	29.1	4.00	33.4	33.39	33.1	39.42	39.41	39.12	47.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
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Carrier	Modulation	Conducted Power (dBm/10MHz)			Antenna Gain (dBi)	EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	22.35	/	18.00	/	40.35	/	/	46.37	/	47.0	PASS
5C	QPSK	/	22.62	/	18.00	/	40.62	/	/	46.64	/	47.0	PASS



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Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

EIRP Test data_Intra-band CA contiguous for Band 48_ 20MHz Bandwidth

Carrier	Modulation	Conducted Power (dBm/10MHz)			Antenna Gain (dBi)	EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	30.43	30.48	30.09	4.00	35.44	35.26	34.87	41.46	41.28	40.89	47.0	PASS
5C	QPSK	26.87	26.76	26.63	4.00	33.4	33.39	33.1	39.42	39.41	39.12	47.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

EIRP Test data_Intra-band CA contiguous for Band 48_ 20MHz Bandwidth

Carrier	Modulation	Conducted Power (dBm/10MHz)			Antenna Gain (dBi)	EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	22.93	/	18.00	/	40.93	/	/	46.95	/	47.0	PASS
5C	QPSK	/	22.91	/	18.00	/	40.91	/	/	46.93	/	47.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number.
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

EIRP Test data_Intra-band CA NON-contiguous for Band 48_ 10MHz Bandwidth

Carrier	Modulation	Conducted Power (dBm/10MHz)			Antenna Gain (dBi)	EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	33.07	/	4.00	/	37.07	/	/	43.09	/	47.0	PASS
3C	QPSK	30.92	31.38	31.22	4.00	34.92	35.38	35.22	40.94	41.4	41.24	47.0	PASS
4C	QPSK	/	30.2	/	4.00	/	34.2	/	/	40.22	/	47.0	PASS
6C	QPSK	/	29.05	/	4.00	/	33.05	/	/	39.07	/	47.0	PASS



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Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

EIRP Test data_Intra-band CA NON-contiguous for Band 48_ 10MHz Bandwidth

Carrier	Modulation	Conducted Power (dBm/10MHz)			Antenna Gain (dBi)	EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	22.53	/	18.00	/	40.53	/	/	46.55	/	47.0	PASS
3C	QPSK	/	22.41	/	18.00	/	40.41	/	/	46.43	/	47.0	PASS
4C	QPSK	/	22.51	/	18.00	/	40.51	/	/	46.53	/	47.0	PASS
6C	QPSK	/	22.39	/	18.00	/	40.39	/	/	46.41	/	47.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

EIRP Test data_Intra-band CA NON-contiguous for Band 48_ 20MHz Bandwidth

Carrier	Modulation	Conducted Power (dBm/10MHz)			Antenna Gain (dBi)	EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	27.21	/	4.00	/	31.21	/	/	37.23	/	47.0	PASS
3C	QPSK	29.03	29.19	29.01	4.00	33.03	33.19	33.01	39.05	39.21	39.03	47.0	PASS
4C	QPSK	/	27.85	/	4.00	/	31.85	/	/	37.87	/	47.0	PASS
6C	QPSK	/	26.2	/	4.00	/	30.2	/	/	36.22	/	47.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

EIRP Test data_Intra-band CA NON-contiguous for Band 48_ 20MHz Bandwidth

Carrier	Modulation	Conducted Power (dBm/10MHz)			Antenna Gain (dBi)	EIRP (dBm/10MHz)			MIMO Total EIRP (dBm/10MHz)			Limit (dBm/10MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	22.94	/	18.00	/	40.94	/	/	46.96	/	47.0	PASS



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3C	QPSK	/	22.96	/	18.00	/	40.47	/	/	46.49	/	47.0	PASS
4C	QPSK	/	22.2	/	18.00	/	40.2	/	/	46.22	/	47.0	PASS
6C	QPSK	/	22.94	/	18.00	/	40.94	/	/	46.96	/	47.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.



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Maximum Power Spectral Density (PSD)

PSD Test data: N48 _ 10MHz Bandwidth														
Modulation	PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/ MHz)	Verdict	
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH			
QPSK	25.890	26.268	26.365	/	4.00	29.89	30.268	30.365	35.91	36.288	36.385	37.0	PASS	
Note:														
1) EIRP PSD= Conducted PSD + Antenna gain (dBi)														
2) All modes have been tested and we only record the worst test data.														
3) MIMO Total EIRP PSD=EIRP PSD+10Log(N). N= Antenna number														

PSD Test data: LTE Band48 10MHz Bandwidth													
Modulation	PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	/	12.597	/	/	18.00	/	30.597	/	/	36.617	/	37.0	PASS
Note:													
1) EIRP PSD= Conducted PSD + Antenna gain (dBi)													
2) All modes have been tested and we only record the worst test data.													
3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number													
4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.													

PSD Test data: N48_20MHz Bandwidth														
Modulation	PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/ MHz)	Verdict	
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH			
QPSK	23.125	22.168	23.211	/	4.00	27.125	26.168	27.211	33.145	32.188	33.231	37.0	PASS	
Note:														
1) EIRP PSD= Conducted PSD + Antenna gain (dBi)														
2) All modes have been tested and we only record the worst test data.														
3) MIMO Total EIRP PSD=EIRP PSD+10Log(N). N= Antenna number														

PSD Test data: LTE Band48 20MHz Bandwidth													
Modulation	PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	/	11.808	/	/	18.00	/	29.808	/	/	35.828	/	37.0	PASS
Note:													
1) EIRP PSD= Conducted PSD + Antenna gain (dBi)													
2) All modes have been tested and we only record the worst test data.													
3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number													
4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.													



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PSD Test data_Intra-band CA contiguous CA for Band 48_ 10MHz Bandwidth

Carrier	Modulation	PSD (dBm/MHz)			Antenna Gain (dBi)	EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	23.691	22.827	23.314	4.00	27.691	26.827	27.314	33.711	32.847	33.334	37.0	PASS
5C	QPSK	20.460	20.561	20.407	4.00	24.46	24.561	24.407	30.48	30.581	30.427	37.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

PSD Test data_Intra-band CA contiguous for Band 48_ 10MHz Bandwidth

Carrier	Modulation	PSD (dBm/MHz)			Antenna Gain (dBi)	EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	12.451	/	18.00	/	30.451	/	/	36.471	/	37.0	PASS
5C	QPSK	/	12.810	/	18.00	/	30.81	/	/	36.83	/	37.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number.
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

PSD Test data_Intra-band CA contiguous CA for Band 48_ 20MHz Bandwidth

Carrier	Modulation	PSD (dBm/MHz)			Antenna Gain (dBi)	EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	20.590	21.012	20.652	4.00	24.59	25.012	24.652	30.61	31.032	30.672	37.0	PASS
5C	QPSK	17.287	17.254	17.405	4.00	21.287	21.254	21.405	27.307	27.274	27.425	37.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

PSD Test data_Intra-band CA contiguous for Band 48_ 20MHz Bandwidth

Carrier	Modulation	PSD (dBm/MHz)			Antenna Gain (dBi)	EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	12.553	/	18.00	/	30.553	/	/	36.573	/	37.0	PASS



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5C	QPSK	/	12.499	/	18.00	/	30.499	/	/	36.519	/	37.0	PASS
Note: 1) EIRP PSD= Conducted PSD + Antenna gain (dBi) 2) All modes have been tested and we only record the worst test data. 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.													

PSD Test data_Intra-band CA non-contiguous CA for Band 48_ 10MHz Bandwidth													
Carrier	Modulation	PSD (dBm/MHz)			Antenna Gain (dBi)	EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	23.152	/	4.00	/	27.152	/	/	33.172	/	37.0	PASS
3C	QPSK	20.584	20.503	20.919	4.00	24.584	24.503	24.919	30.604	30.523	30.939	37.0	PASS
4C	QPSK	/	21.520	/	4.00	/	25.520	/	/	31.54	/	37.0	PASS
6C	QPSK	/	19.955	/	4.00	/	23.955	/		29.975		37.0	PASS
1) Note: 2) EIRP PSD= Conducted PSD + Antenna gain (dBi) 3) All modes have been tested and we only record the worst test data. 4) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number													

PSD Test data_Intra-band CA non-contiguous CA for Band 48_ 10MHz Bandwidth													
Carrier	Modulation	PSD (dBm/MHz)			Antenna Gain (dBi)	EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	12.202	/	18.00	/	30.202	/	/	36.222	/	37.0	PASS
3C	QPSK	/	12.464	/	18.00	/	30.464	/	/	36.484	/	37.0	PASS
4C	QPSK	/	12.437	/	18.00	/	30.437	/	/	36.457	/	37.0	PASS
6C	QPSK	/	12.450	/	18.00	/	30.450	/		36.47		37.0	PASS
Note: 1) EIRP PSD= Conducted PSD + Antenna gain (dBi) 2) All modes have been tested and we only record the worst test data. 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.													

PSD Test data_Intra-band CA non-contiguous CA for Band 48_ 20MHz Bandwidth													
Carrier	Modulation	PSD (dBm/MHz)			Antenna Gain (dBi)	EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	20.934	/	4.00	/	24.934	/	/	30.954	/	37.0	PASS



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3C	QPSK	19.222	19.286	19.466	4.00	23.222	23.286	23.466	29.242	29.306	29.486	37.0	PASS
4C	QPSK	/	18.240	/	4.00	/	22.240	/	/	28.26	/	37.0	PASS
6C	QPSK	/	16.560	/	4.00	/	20.560	/	/	26.58	/	37.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number

PSD Test data_Intra-band CA non-contiguous CA for Band 48_ 20MHz Bandwidth													
Carrier	Modulation	PSD (dBm/MHz)			Antenna Gain (dBi)	EIRP PSD (dBm/MHz)			MIMO Total EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	12.194	/	18.00	/	30.194	/	/	36.214	/	37.0	PASS
3C	QPSK	/	12.742	/	18.00	/	30.742	/	/	36.762	/	37.0	PASS
4C	QPSK	/	12.575	/	18.00	/	30.575	/	/	36.595	/	37.0	PASS
6C	QPSK	/	12.756	/	18.00	/	30.756	/	/	36.776	/	37.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)
- 2) All modes have been tested and we only record the worst test data.
- 3) MIMO Total EIRP PSD=EIRP PSD+10Log(N), N= Antenna number
- 4) The results with the antenna gain of 18dBi were for verification and only the worst cases were recorded.

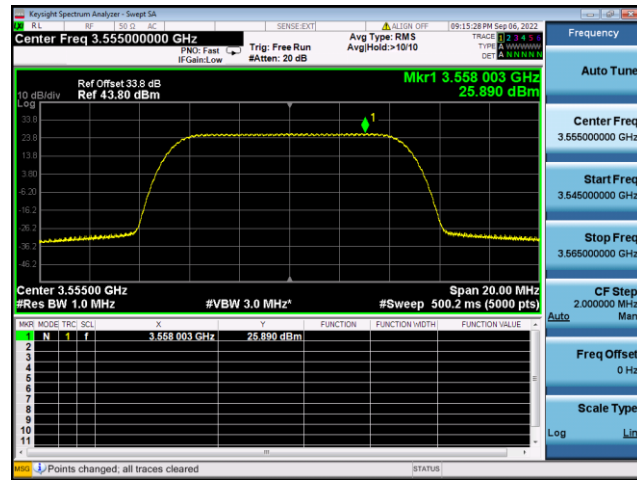


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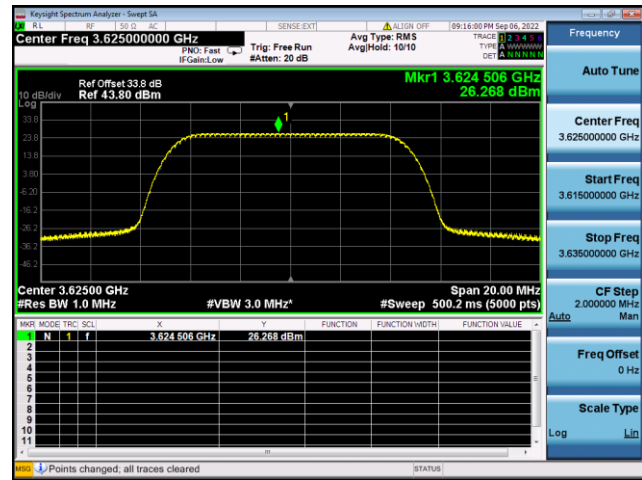
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NR TDD Band 48, Nominal Bandwidth: 10MHz, PSD

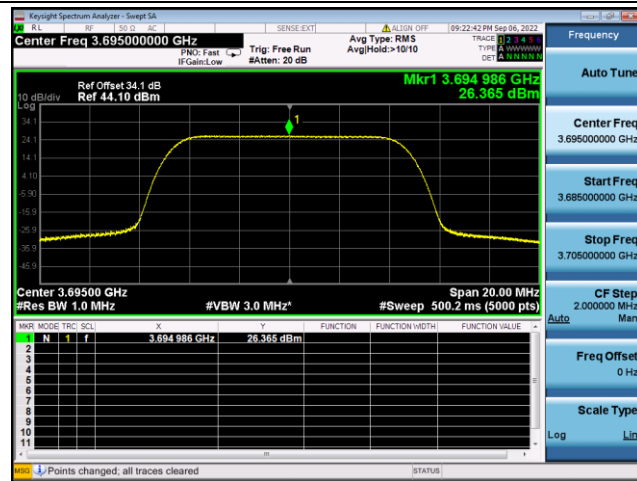
QPSK Low channel



QPSK Middle channel



QPSK High channel



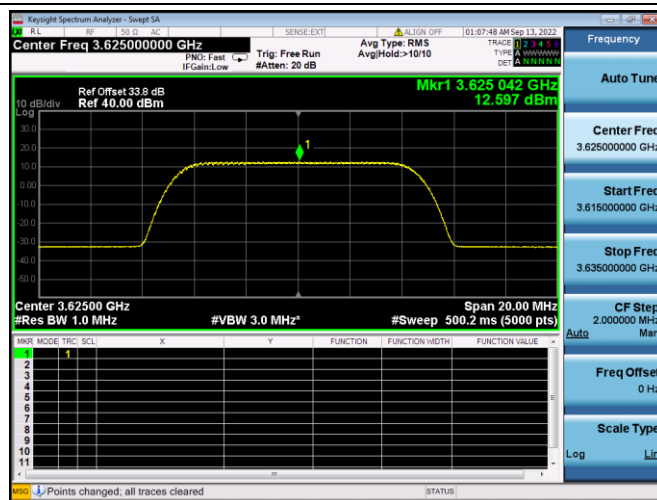
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NR TDD Band 48, Nominal Bandwidth: 10MHz, PSD, 18dB

QPSK Middle channel



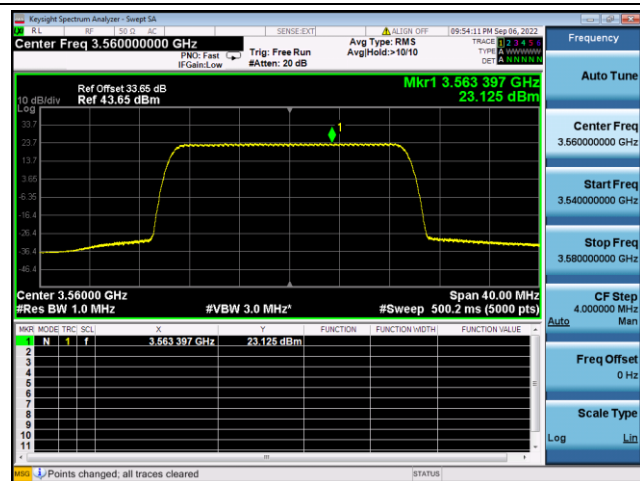
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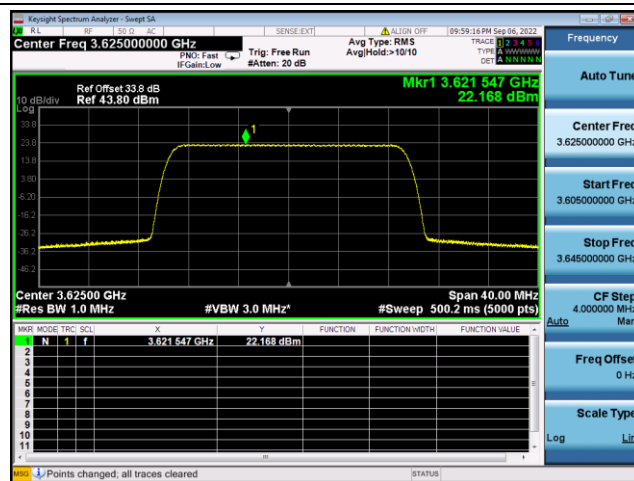
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NR TDD Band 48, Nominal Bandwidth: 20MHz, PSD

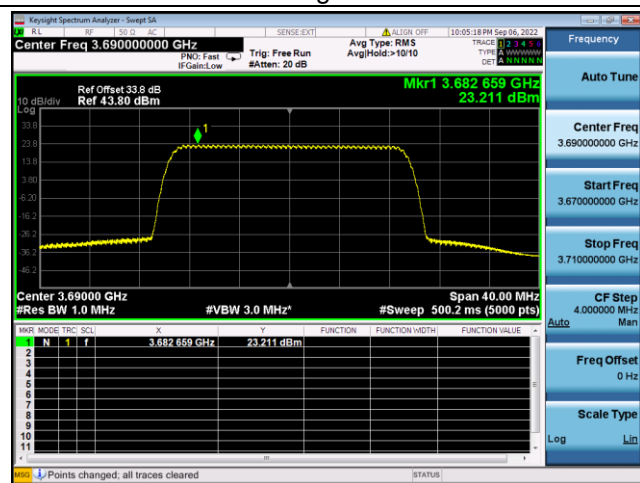
QPSK Low channel



QPSK Middle channel



QPSK High channel



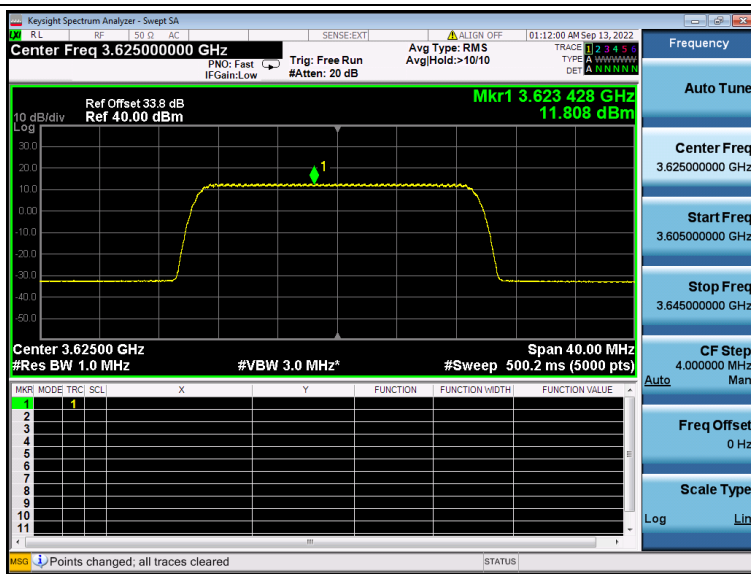
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NR TDD Band 48, Nominal Bandwidth: 20MHz, PSD, 18dB

QPSK Middle channel



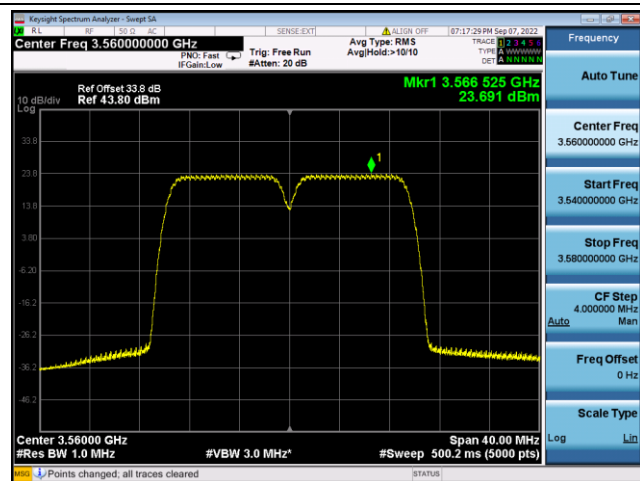
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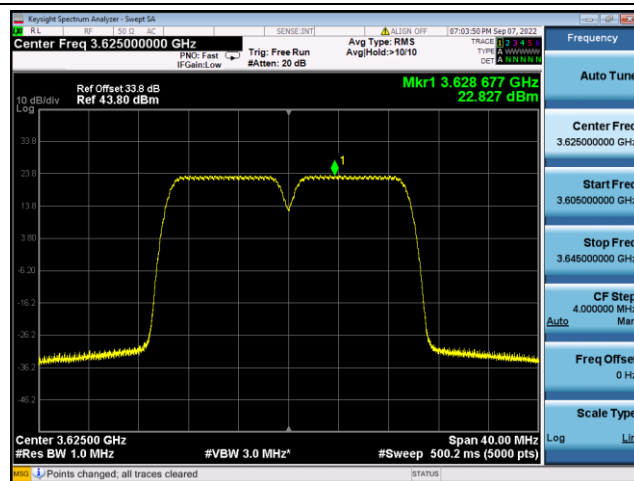
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NR TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 2C, 10MHz, PSD

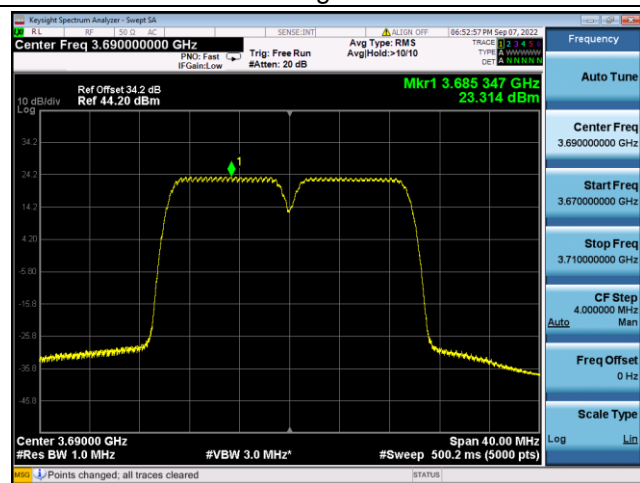
QPSK Low channel



QPSK Middle channel



QPSK High channel



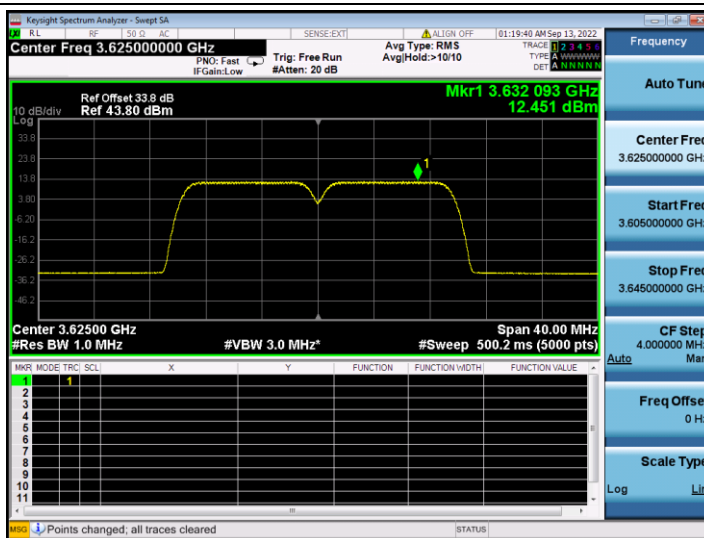
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NR TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 2C, 10MHz, PSD, 18dB

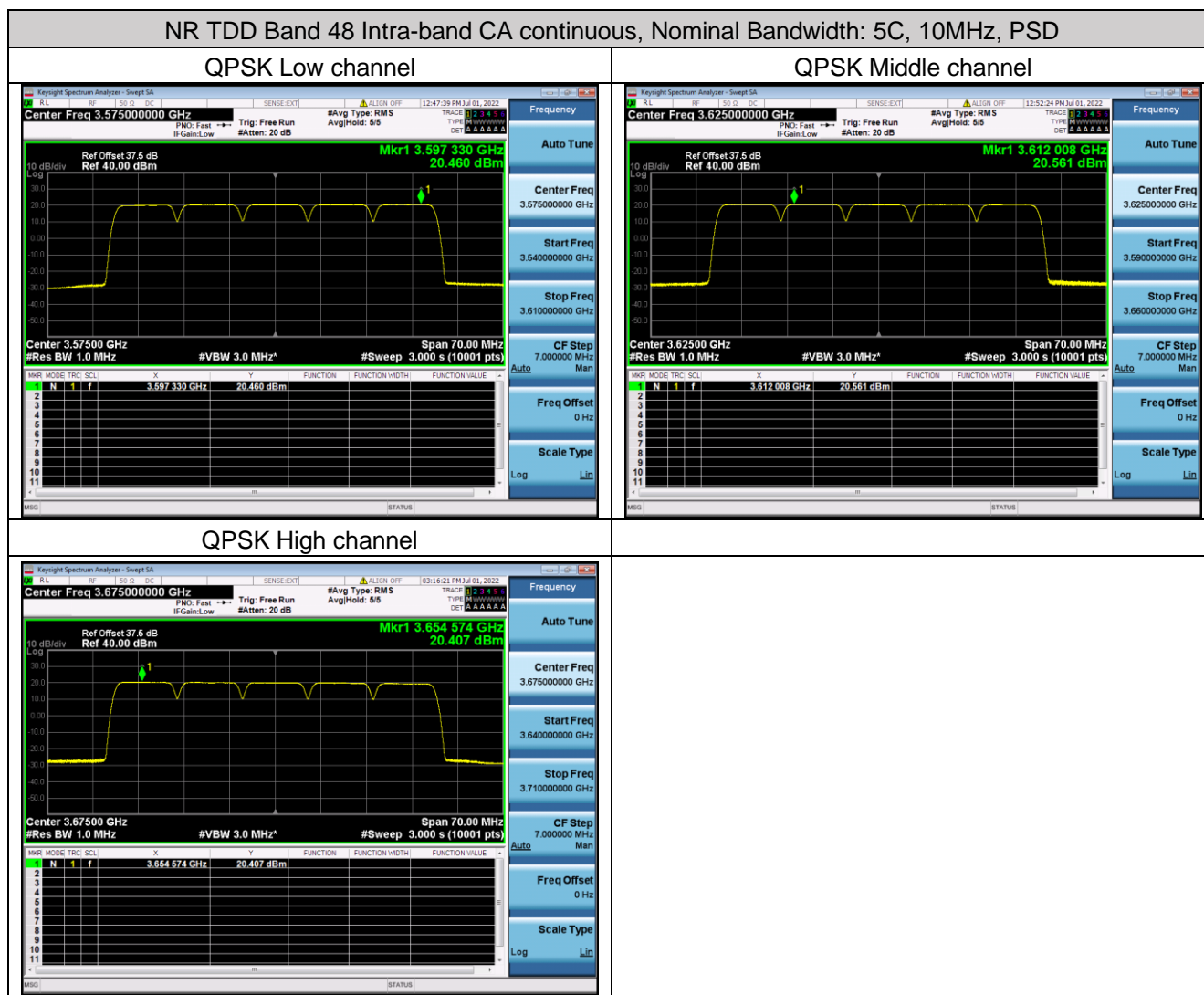
QPSK Middle channel



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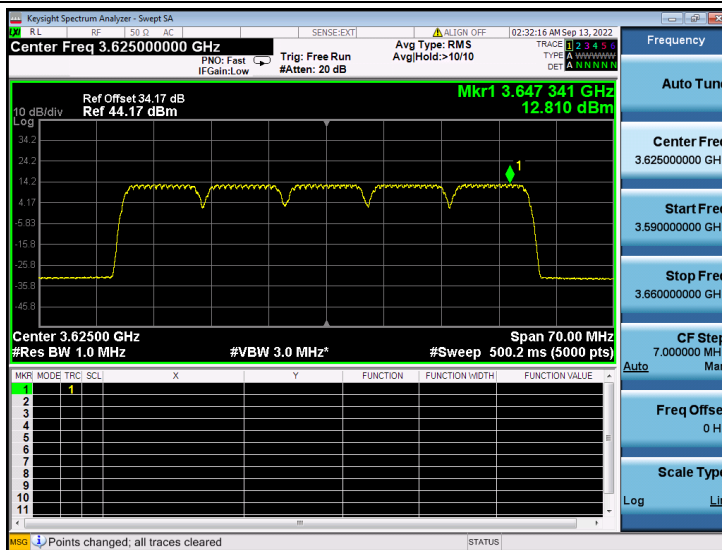
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NR TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 5C, 10MHz, PSD, 18dB

QPSK Middle channel



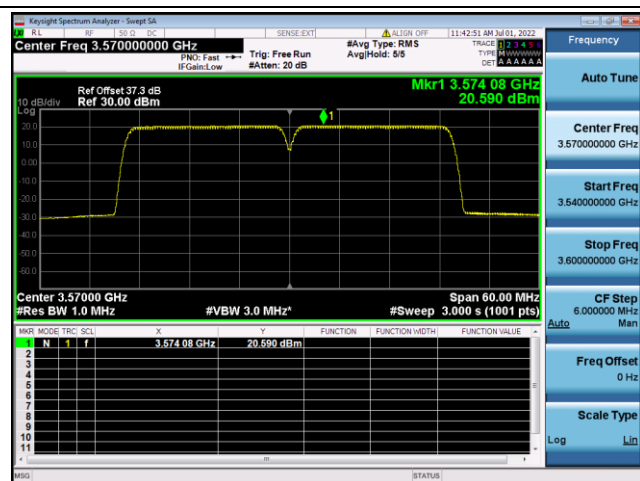
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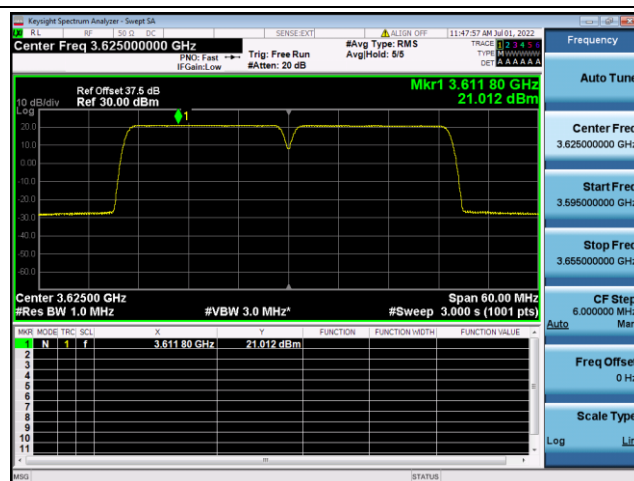
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NR TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 2C, 20MHz, PSD

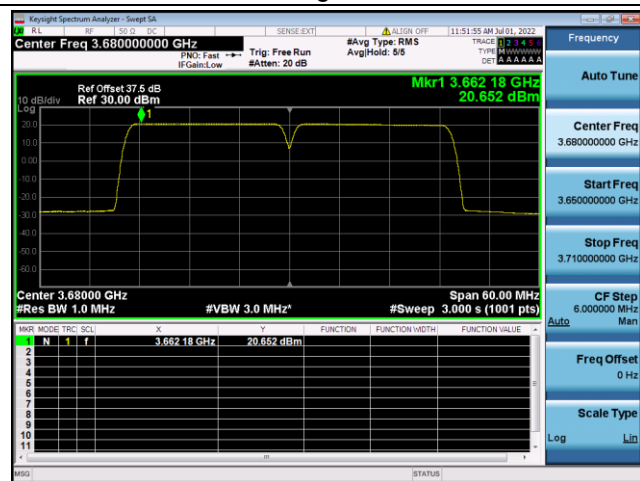
QPSK Low channel



QPSK Middle channel



QPSK High channel



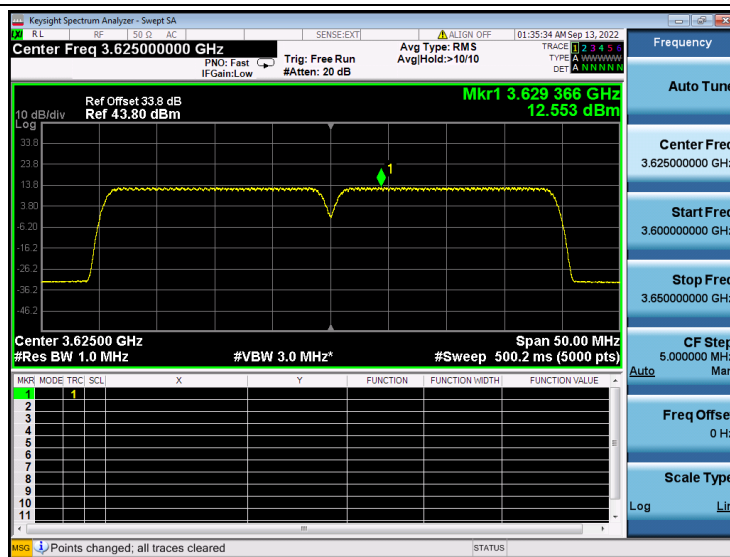
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NR TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 2C,20MHz, PSD, 18dB

QPSK Middle channel



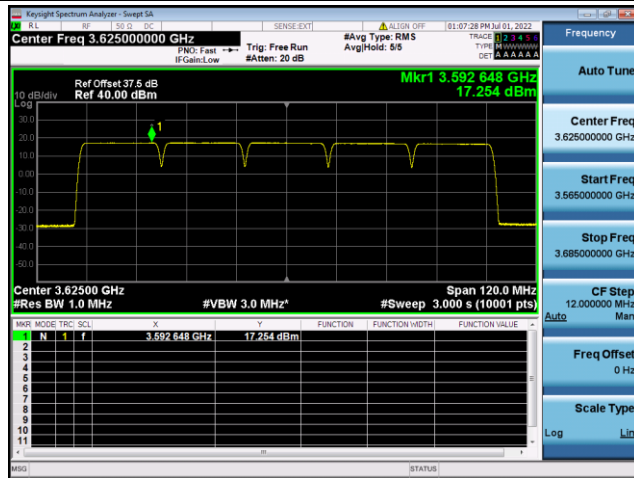
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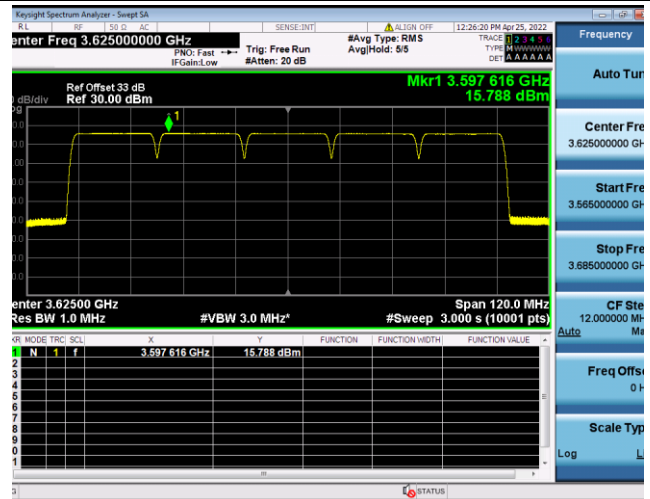
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NR TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 5C, 20MHz, PSD

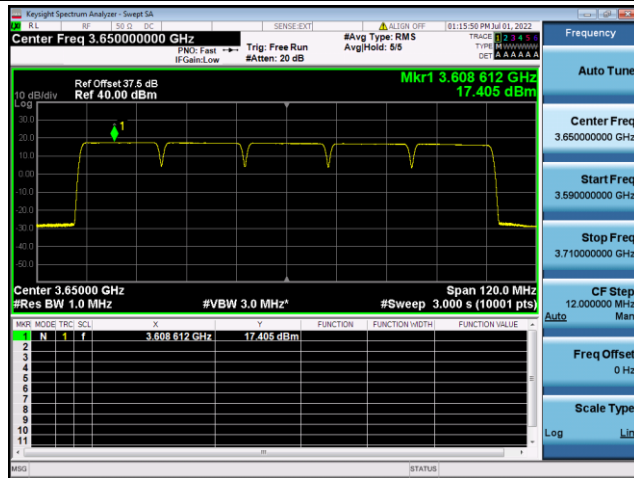
QPSK Low channel



QPSK Middle channel



QPSK High channel



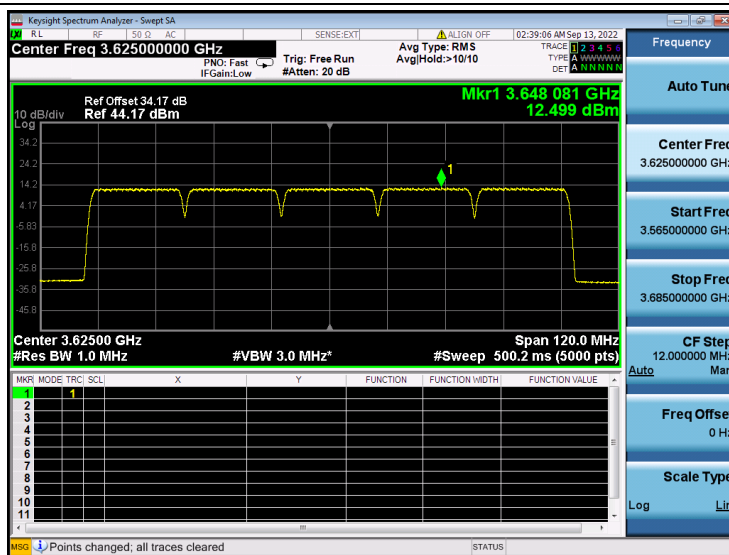
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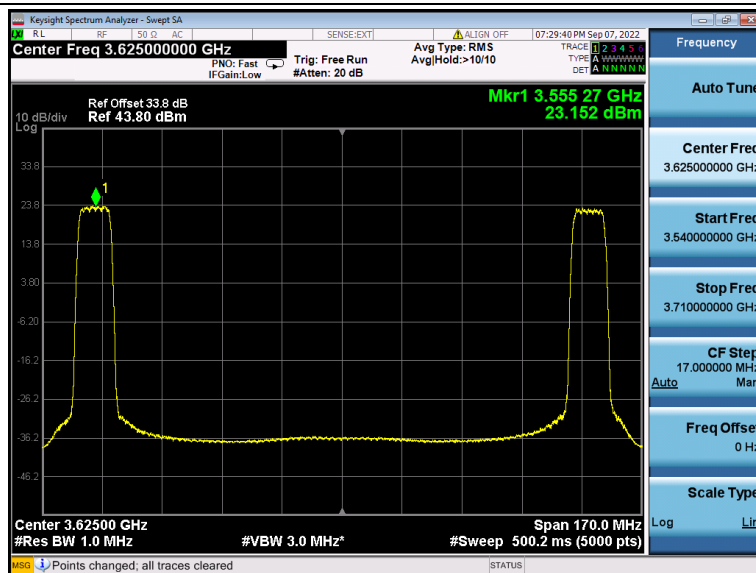
NR TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 5C,20MHz, PSD, 18dB

QPSK Middle channel



NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 2C, 10MHz, PSD

QPSK_3555MHz+3695MHz



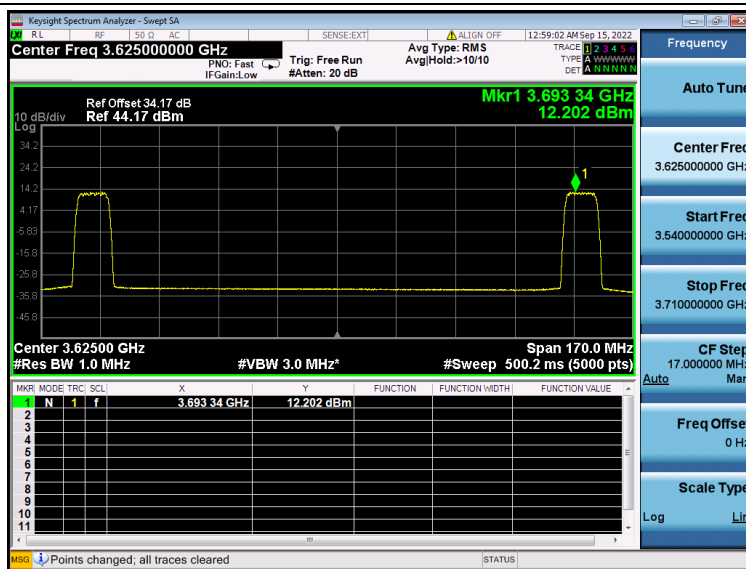
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NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 2C, 10MHz, PSD, 18dB

QPSK_3555MHz+3695MHz



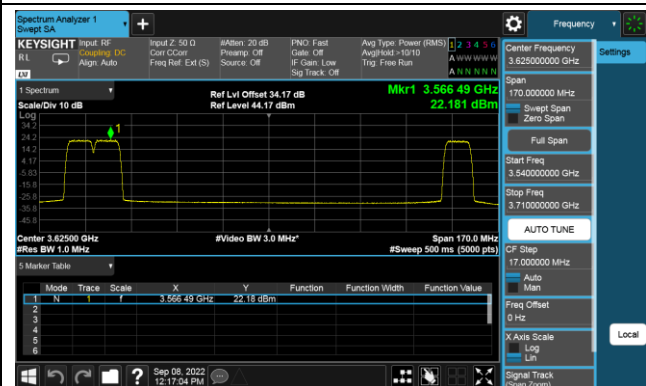
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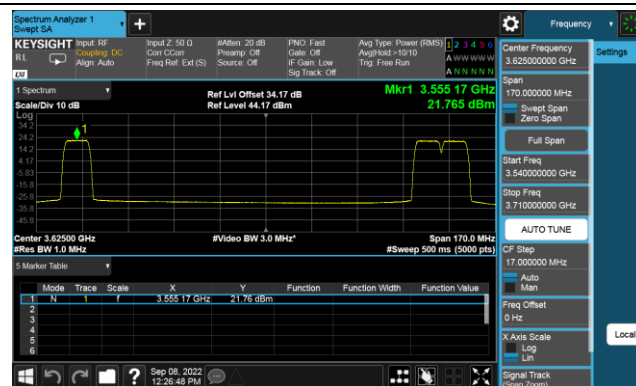
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NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 3C, 10MHz, PSD

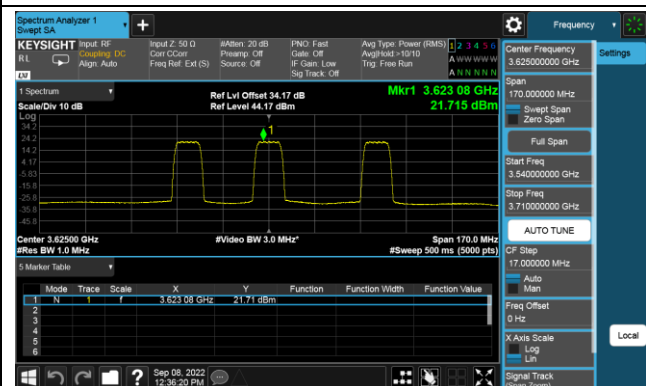
QPSK_3555MHz+3565MHz +3695MHz



QPSK_3555MHz+3685MHz +3695MHz



QPSK_3595MHz +3625MHz +3665MHz

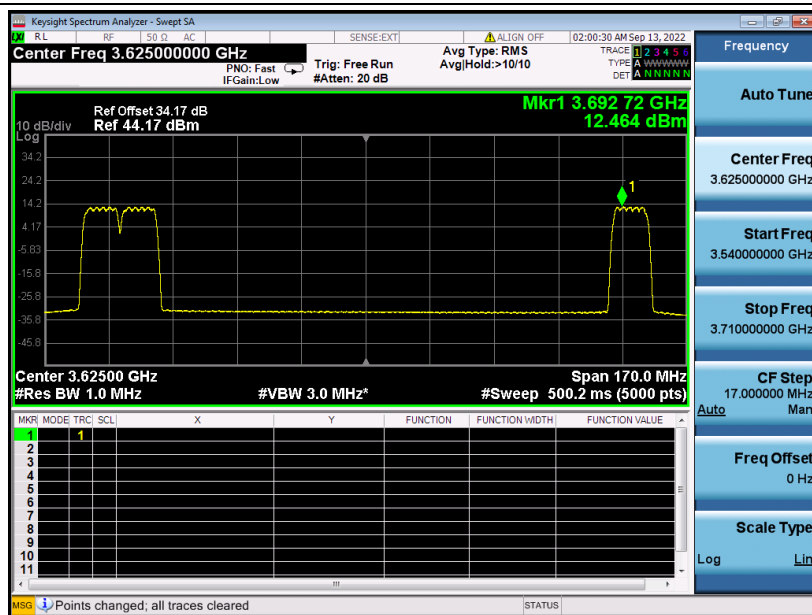


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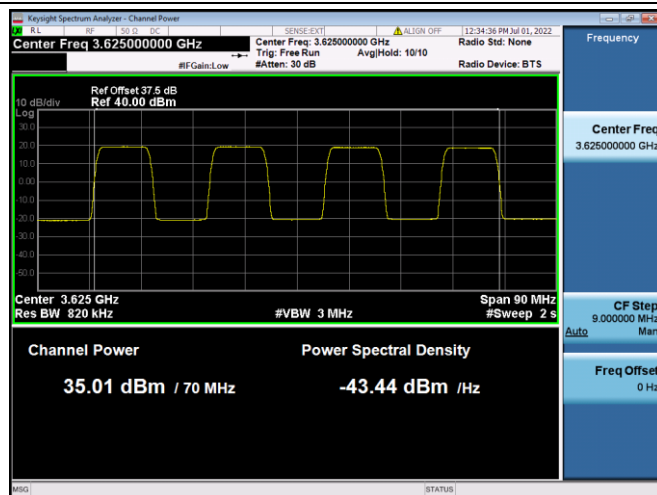
NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 3C, 10MHz, PSD, 18dBi

QPSK_3555MHz+3565MHz +3695MHz



NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 4C, 10MHz, PSD

QPSK_3595MHz+3615MHz +3635MHz +3655MHz



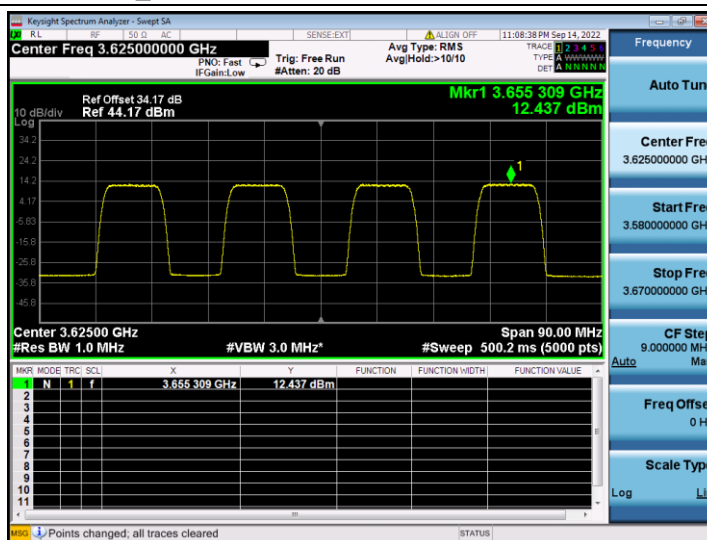
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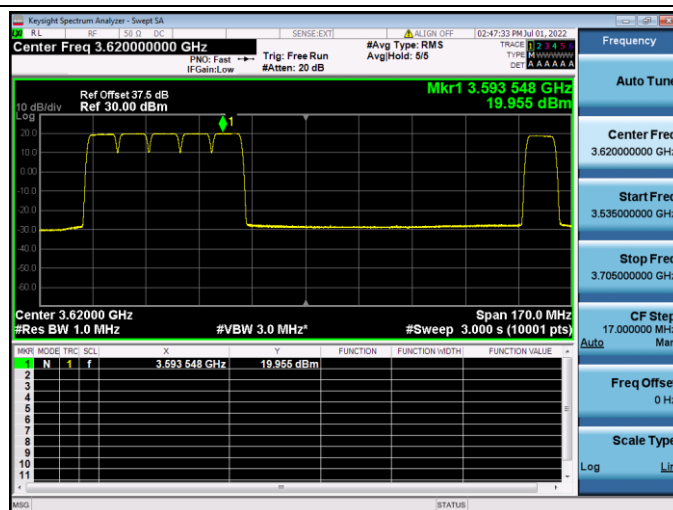
NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 4C, 10MHz, PSD, 18dB

QPSK_3595MHz+3615MHz +3635MHz +3655MHz



NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 6C, 10MHz, PSD

QPSK_3555MHz +3565MHz +3575MHz +3585MHz +3595MHz +3695MHz



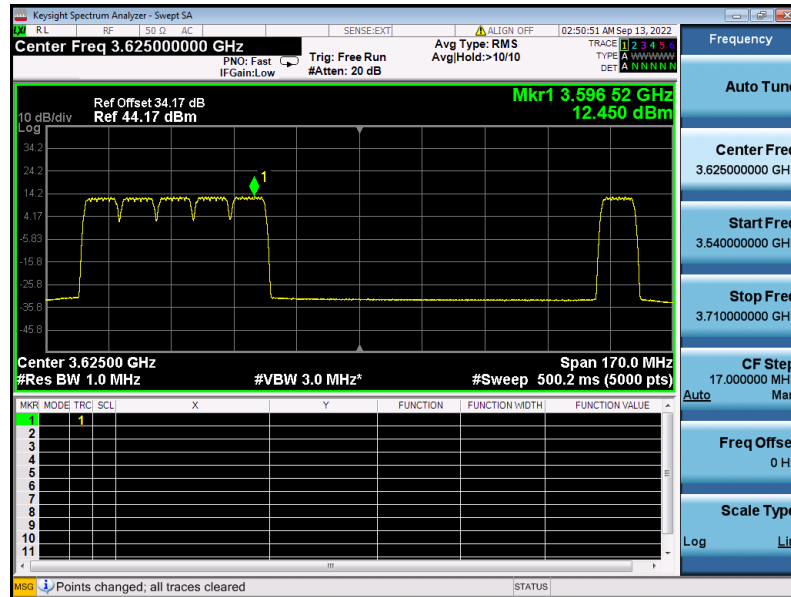
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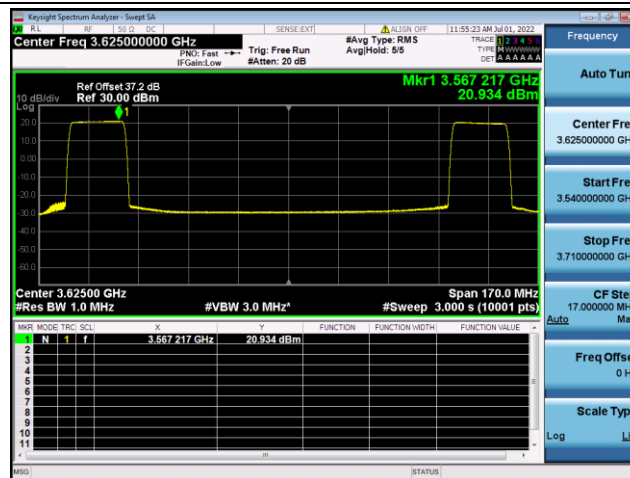
NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 6C, 10MHz, PSD, 18dB

QPSK_3555MHz +3565MHz +3575MHz +3585MHz +3595MHz +3695MHz



NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 2C, 20MHz, PSD

QPSK_3560MHz+3690MHz



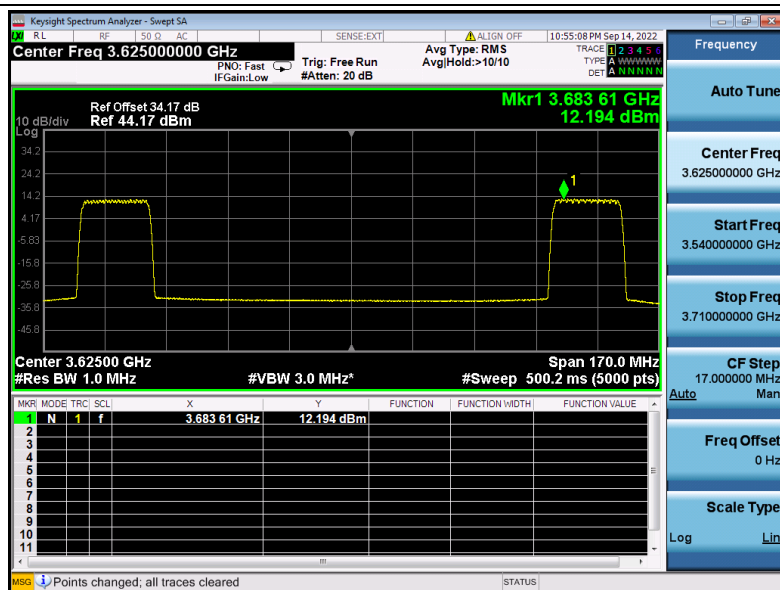
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NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 2C, 20MHz, PSD, 18dB

QPSK_3560MHz+3690MHz



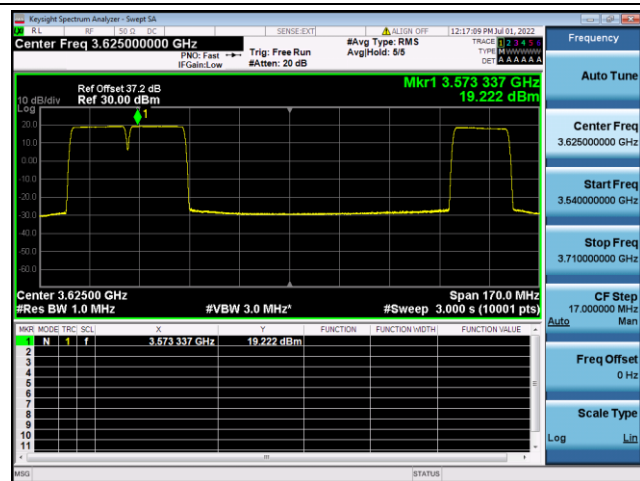
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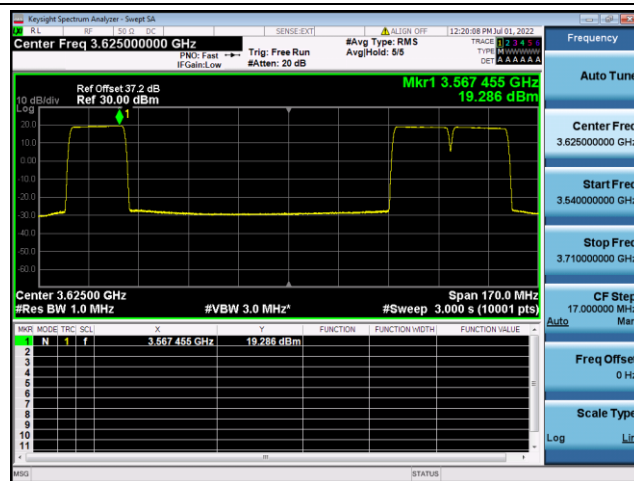
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NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 3C, 20MHz, PSD

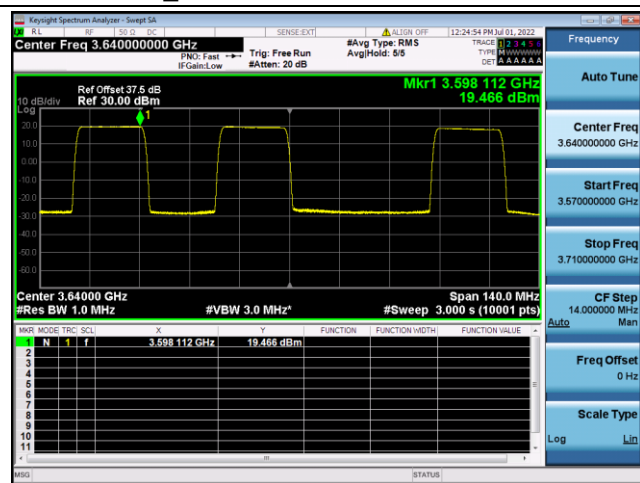
QPSK_3560MHz +3580MHz +3690MHz



QPSK_3560MHz +3670MHz +3690MHz



QPSK_3590MHz +3630MHz +3690MHz



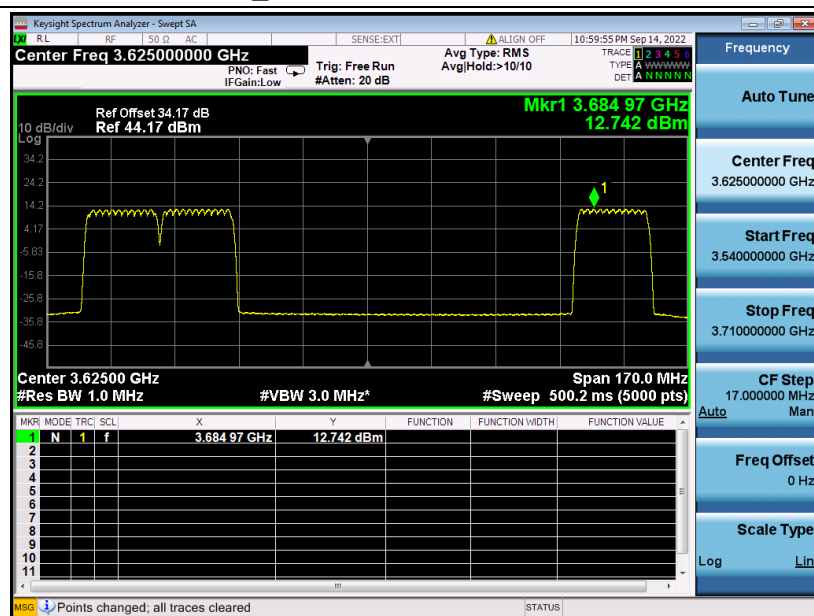
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NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 3C, 20MHz, PSD, 18dB

QPSK 3560MHz +3580MHz +3690MHz



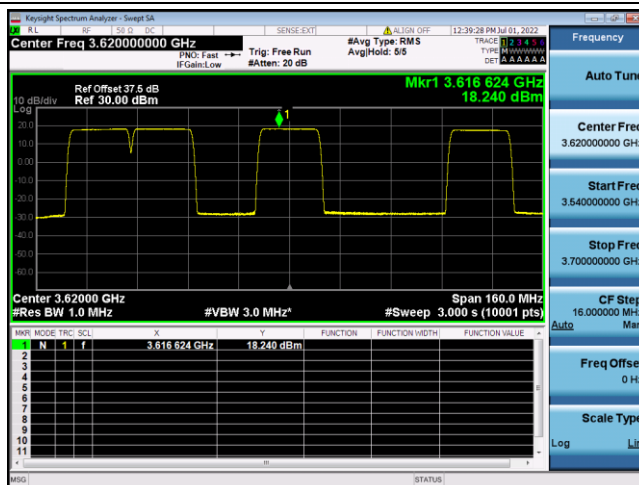
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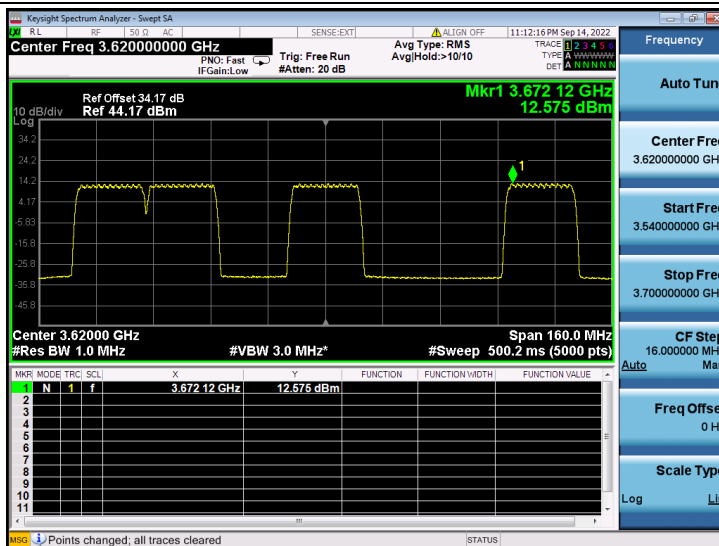
NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 4C, 20MHz, PSD

QPSK_3560MHz +3580MHz +3620MHz +3680MHz



NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 4C, 20MHz, PSD, 18dB

QPSK_3560MHz +3580MHz +3620MHz +3680MHz



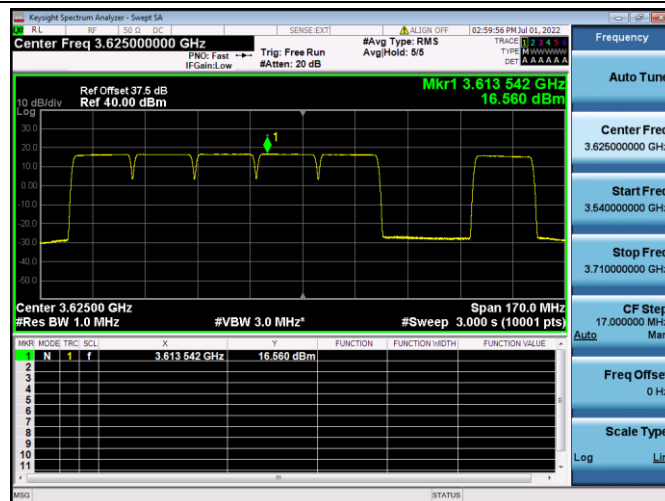
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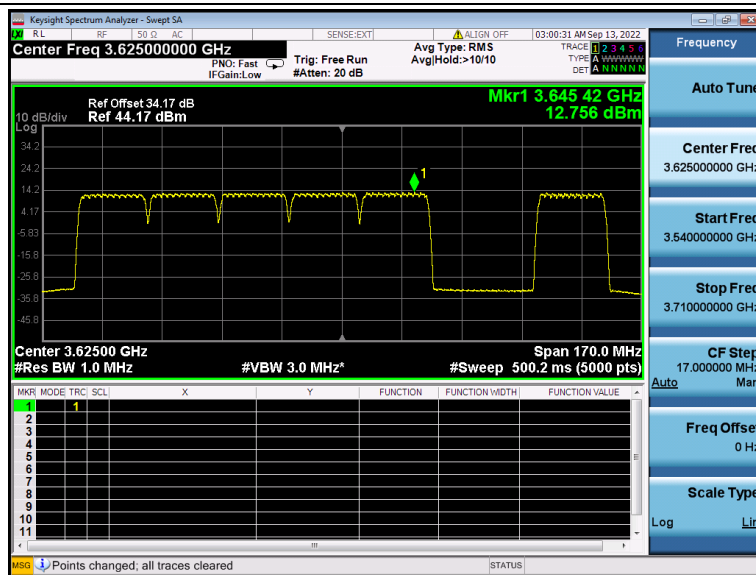
NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 6C, 20MHz, PSD

QPSK_3560MHz +3580MHz +3600MHz +3620MHz +3640MHz +3690MHz



NR TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 6C, 20MHz, PSD, 18dBt

QPSK_3560MHz +3580MHz +3600MHz +3620MHz +3640MHz +3690MHz



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