

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

EIRP Test data: LTE Band48 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	36.05	36.14	36.05	/	4.00	40.05	40.14	40.05	46.07	46.16	46.07

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)			Antenna gain		EIRP (dBm)			MIMO Total EIRP (dBm)		
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH
QPSK	/	22.84	/	/	18.00	/	40.84	/	/	46.86	/

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: LTE Band48 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	36.06	36.08	36.05	/	4.00	40.06	40.08	40.05	46.08	46.1	46.07

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)			Antenna gain		EIRP (dBm)			MIMO EIRP (dBm)		
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	LCH	MCH	HCH
QPSK	/	25.94	/	/	18.00	/	43.94	/	/	49.96	/

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_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	36.06	36.1	36.01	4.00	40.06	40.1	40.01	46.08	46.12	46.03
5C	QPSK	36.06	36.02	35.75	4.00	40.06	40.02	39.75	46.08	46.04	45.77

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	/	25.67	/	18.00	/	43.67	/	/	49.69	/
5C	QPSK	/	29.92	/	18.00	/	47.92	/	/	53.94	/

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)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	35.93	36.09	35.74	4.00	39.93	40.09	39.74	45.95	46.11	45.76
5C	QPSK	36.06	36.01	35.99	4.00	40.06	40.01	39.99	46.08	46.03	46.01

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



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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	/	28.99	/	18.00	/	46.99	/	/	53.01	/
5C	QPSK	/	32.91	/	18.00	/	47.91	/	/	53.93	/

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	/	36.08	/	4.00	/	40.08	/	/	46.1	/
3C	QPSK	36.2	36.04	36.31	4.00	40.2	40.04	40.31	46.22	46.06	46.33
4C	QPSK	/	36	/	4.00	/	40	/	/	46.02	/
6C	QPSK	/	35.97	/	4.00	/	39.97	/	/	45.99	/

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)			Antenna Gain (dBi)	EIRP (dBm)			MIMO Total EIRP (dBm)		
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH
2C	QPSK	/	25.88	/	18.00	/	43.88	/	/	49.9	/
3C	QPSK	/	27.49	/	18.00	/	45.49	/	/	51.51	/
4C	QPSK	/	28.83	/	18.00	/	46.83	/	/	52.85	/
6C	QPSK	/	30.42	/	18.00	/	48.42	/	/	54.44	/

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 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	/
3C	QPSK	35.65	35.67	35.99	4.00	39.65	39.67	39.99	45.67	45.69	46.01
4C	QPSK	/	36.07	/	4.00	/	40.07	/	/	46.09	/
6C	QPSK	/	36.1	/	4.00	/	40.1	/	/	46.12	/

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	/	28.88	/	18.00	/	46.88	/	/	52.9	/
3C	QPSK	/	30.63	/	18.00	/	48.63	/	/	54.65	/
4C	QPSK	/	31.9	/	18.00	/	49.9	/	/	55.92	/
6C	QPSK	/	33.7	/	18.00	/	51.7	/	/	57.72	/

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: 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	36.05	36.14	36.05	/	4.00	40.05	40.14	40.05	46.07	46.16	46.07	47.0	PASS

Note:



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- 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	/	22.84	/	/	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: 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	33.08	33.07	33.04	/	4.00	37.08	37.07	37.04	43.1	43.09	43.06	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	/	22.85	/	/	18.00	/	40.85	/	/	46.87	/	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	33.12	33.06	33.21	4.00	37.12	37.06	37.21	43.14	43.08	43.23	47.0	PASS



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5C	QPSK	29.13	29.07	28.65	4.00	33.13	33.07	32.65	39.15	39.09	38.67	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 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/10 MHz)	Verdict
		LCH	MCH	HCH		LCH	MCH	HCH	LCH	MCH	HCH		
2C	QPSK	/	22.61	/	18.00	/	40.61	/	/	46.63	/	47.0	PASS
5C	QPSK	/	22.96	/	18.00	/	40.96	/	/	46.98	/	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 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	30.42	29.98	4.00	34.43	34.42	33.98	40.45	40.44	40	47.0	PASS
5C	QPSK	26.6	26.52	26.46	4.00	30.6	30.52	30.46	36.62	36.54	36.48	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	/	22.88	/	18.00	/	40.88	/	/	46.9	/	47.0	PASS
5C	QPSK	/	22.36	/	18.00	/	40.36	/	/	46.38	/	47.0	PASS

Note:

- 1) EIRP PSD= Conducted PSD + Antenna gain (dBi)



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- 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	/	32.6	/	4.00	/	36.6	/	/	42.62	/	47.0	PASS
3C	QPSK	30	31.33	31.63	4.00	34	35.33	35.63	40.02	41.35	41.65	47.0	PASS
4C	QPSK	/	29.9	/	4.00	/	33.9	/	/	39.92	/	47.0	PASS
6C	QPSK	/	28.64	/	4.00	/	32.64	/	/	38.66	/	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_ 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	/	22.86	/	18.00	/	40.86	/	/	46.88	/	47.0	PASS
3C	QPSK	/	22.67	/	18.00	/	40.67	/	/	46.69	/	47.0	PASS
4C	QPSK	/	22.87	/	18.00	/	40.87	/	/	46.89	/	47.0	PASS
6C	QPSK	/	22.56	/	18.00	/	40.56	/	/	46.58	/	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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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	/	30.78	/	4.00	/	34.78	/	/	40.8	/	47.0	PASS
3C	QPSK	28.84	29.04	28.84	4.00	32.84	33.04	32.84	38.86	39.06	38.86	47.0	PASS
4C	QPSK	/	27.69	/	4.00	/	31.69	/	/	37.71	/	47.0	PASS
6C	QPSK	/	25.95	/	4.00	/	29.95	/	/	35.97	/	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	/	22.19	/	18.00	/	40.19	/	/	46.21	/	47.0	PASS
3C	QPSK	/	22.47	/	18.00	/	40.47	/	/	46.49	/	47.0	PASS
4C	QPSK	/	22.4	/	18.00	/	40.4	/	/	46.42	/	47.0	PASS
6C	QPSK	/	22.41	/	18.00	/	40.41	/	/	46.43	/	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: 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	26.602	26.601	26.073	/	4.00	30.602	30.601	30.073	36.622	36.621	36.093	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	/	12.862	/	/	18.00	/	30.862	/	/	36.882	/	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: 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	23.006	23.230	22.720	/	4.00	27.006	27.23	26.72	33.026	33.25	32.74	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	/	12.866	/	/	18.00	/	30.866	/	/	36.886	/	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 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	22.841	23.069	22.935	4.00	26.841	27.069	26.935	32.861	33.089	32.955	37.0	PASS
5C	QPSK	20.337	20.439	20.324	4.00	24.337	24.439	24.324	30.357	30.459	30.344	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	/	12.582	/	18.00	/	30.582	/	/	36.602	/	37.0	PASS
5C	QPSK	/	12.854	/	18.00	/	30.854	/	/	36.874	/	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 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	21.085	21.209	20.971	4.00	25.085	25.209	24.971	31.105	31.229	30.991	37.0	PASS
5C	QPSK	17.397	17.520	17.587	4.00	21.397	21.52	21.587	27.417	27.54	27.607	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



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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	/	12.862	/	18.00	/	30.862	/	/	36.882	/	37.0	PASS
5C	QPSK	/	12.836	/	18.00	/	30.836	/	/	36.856	/	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	/	23.840	/	4.00	/	27.84	/	/	33.86	/	37.0	PASS
3C	QPSK	21.375	22.515	21.773	4.00	25.375	26.515	25.773	31.395	32.535	31.793	37.0	PASS
4C	QPSK	/	21.482	/	4.00	/	25.482	/	/	31.502	/	37.0	PASS
6C	QPSK	/	19.654	/	4.00	/	23.654	/	/	29.674	/	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_ 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	/	12.918	/	18.00	/	30.918	/	/	36.938	/	37.0	PASS
3C	QPSK	/	12.978	/	18.00	/	30.978	/	/	36.998	/	37.0	PASS
4C	QPSK	/	12.938	/	18.00	/	30.938	/	/	36.958	/	37.0	PASS
6C	QPSK	/	12.746	/	18.00	/	30.746	/	/	36.766	/	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.



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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.

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	/	21.354	/	4.00	/	25.354	/	/	31.374	/	37.0	PASS
3C	QPSK	19.512	19.560	19.922	4.00	23.512	23.56	23.922	29.532	29.58	29.942	37.0	PASS
4C	QPSK	/	18.471	/	4.00	/	22.471	/	/	28.491	/	37.0	PASS
6C	QPSK	/	16.744	/	4.00	/	20.744	/	/	26.764	/	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	/	12.299	/	18.00	/	30.299	/	/	36.319	/	37.0	PASS
3C	QPSK	/	12.891	/	18.00	/	30.891	/	/	36.911	/	37.0	PASS
4C	QPSK	/	12.796	/	18.00	/	30.796	/	/	36.816	/	37.0	PASS
6C	QPSK	/	12.893	/	18.00	/	30.893	/	/	36.913	/	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.



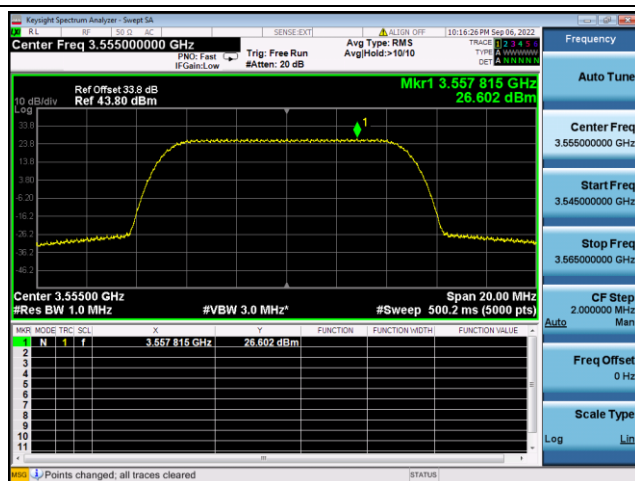
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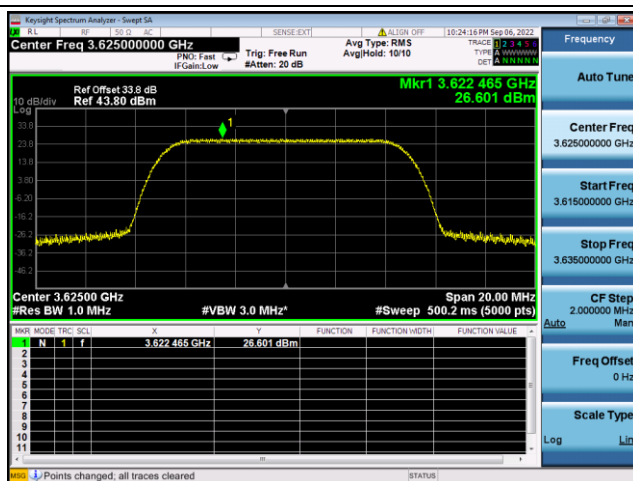
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LTE TDD Band 48, Nominal Bandwidth: 10MHz, PSD

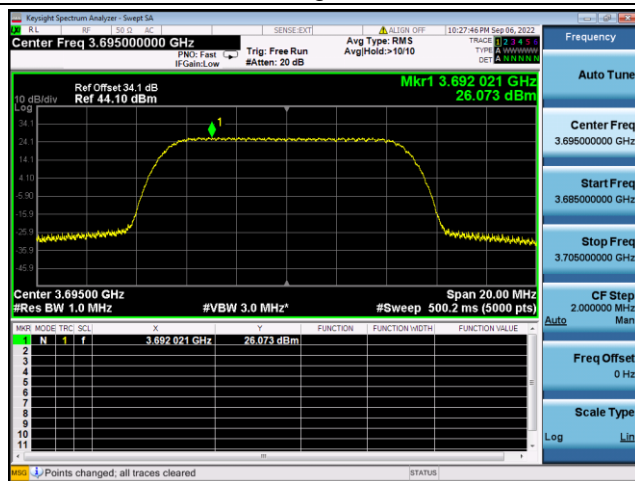
QPSK Low channel



QPSK Middle channel



QPSK High channel



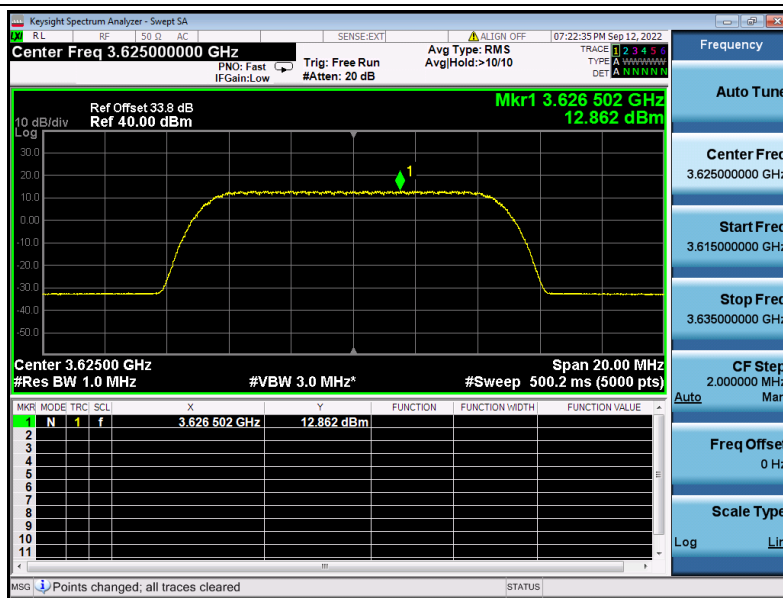
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LTE TDD Band 48, Nominal Bandwidth: 10MHz, PSD, 18dBi

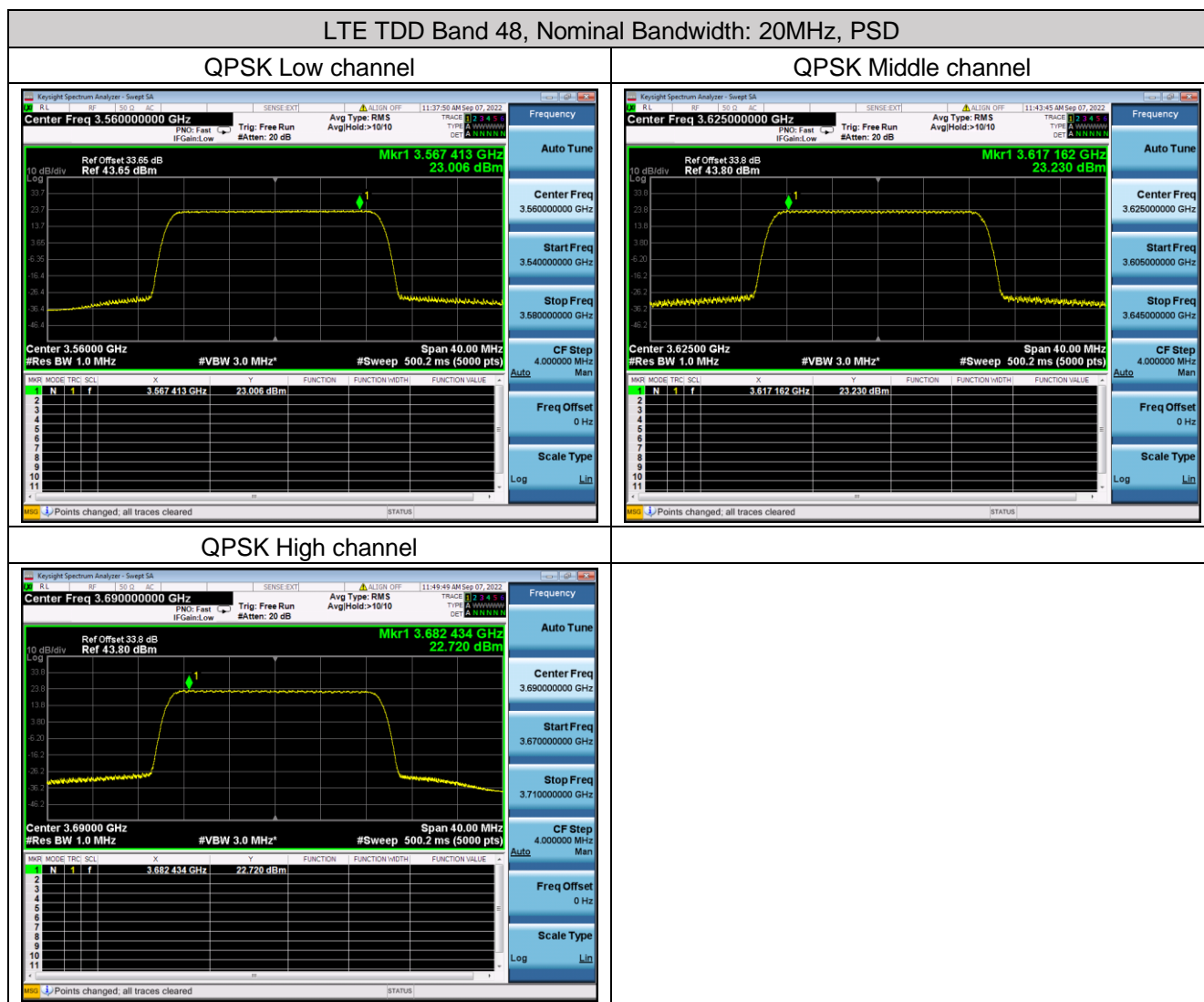
QPSK Middle channel



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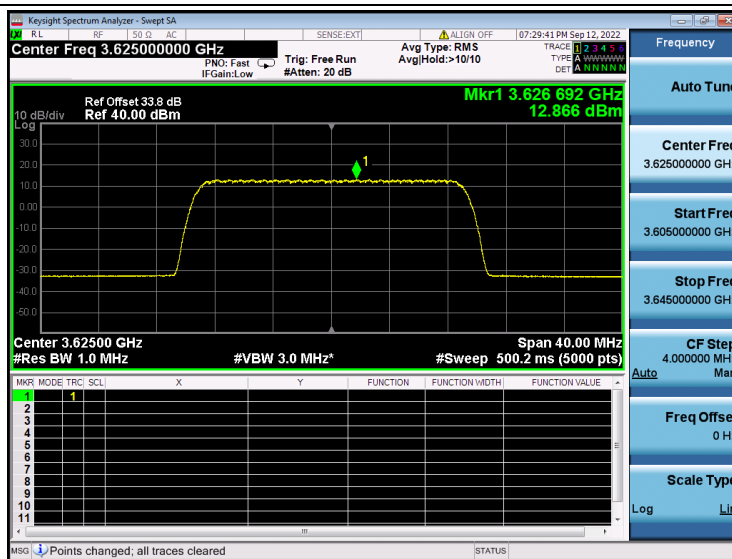
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LTE TDD Band 48, Nominal Bandwidth: 20MHz, PSD, 18dB

QPSK Middle channel



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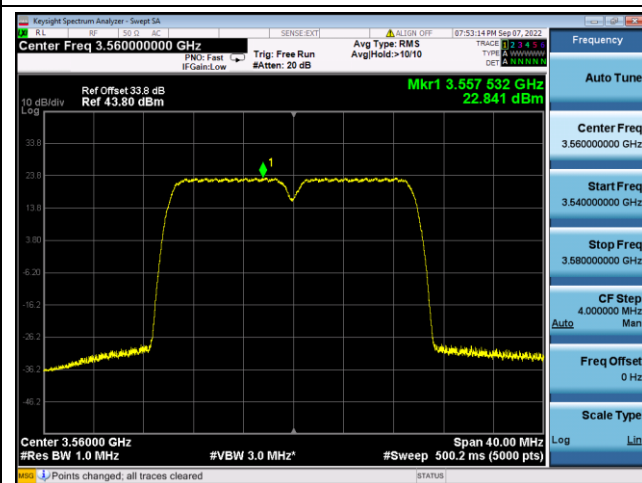
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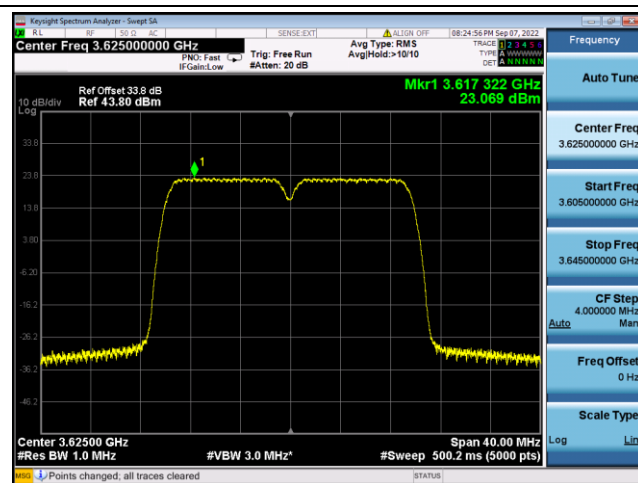
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LTE TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 2C, 10MHz, PSD

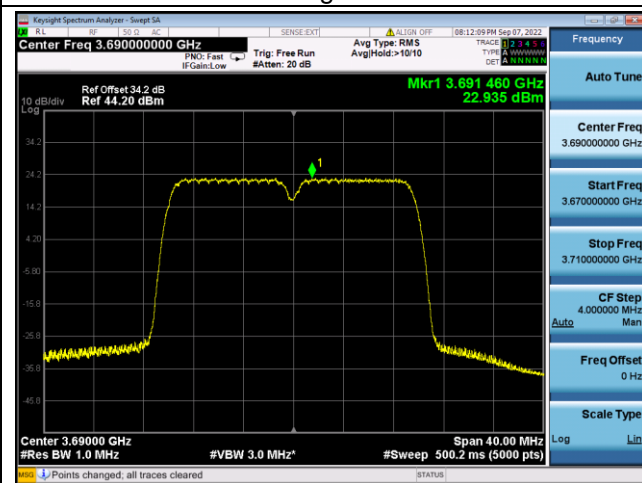
QPSK Low channel



QPSK Middle channel



QPSK High channel



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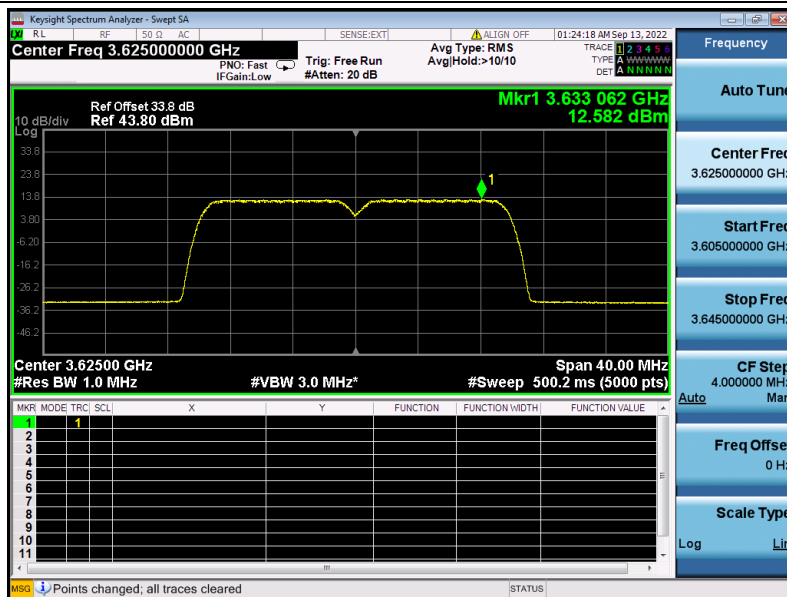
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LTE TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 2C, 10MHz, PSD, 18dB

QPSK Middle channel



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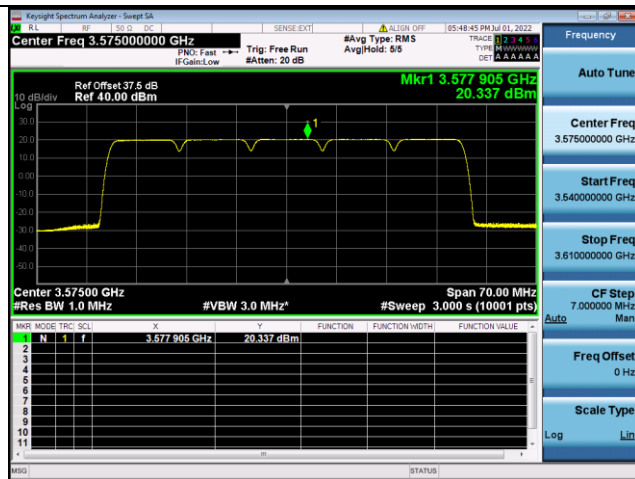
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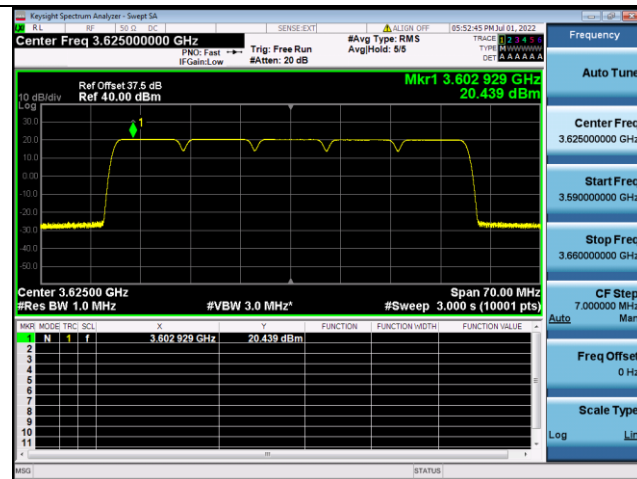
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LTE TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 5C, 10MHz, PSD

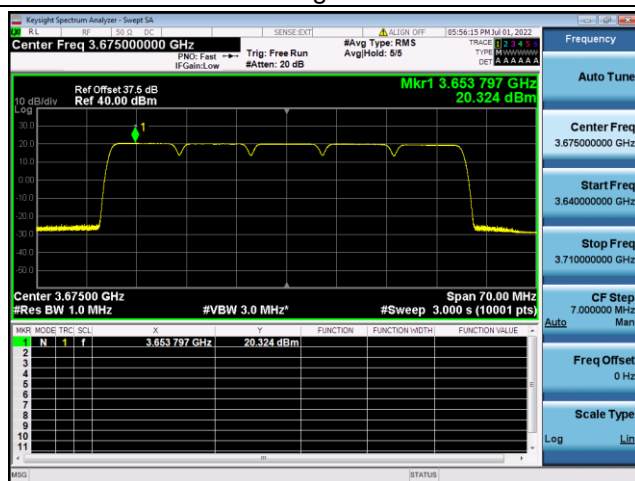
QPSK Low channel



QPSK Middle channel



QPSK High channel



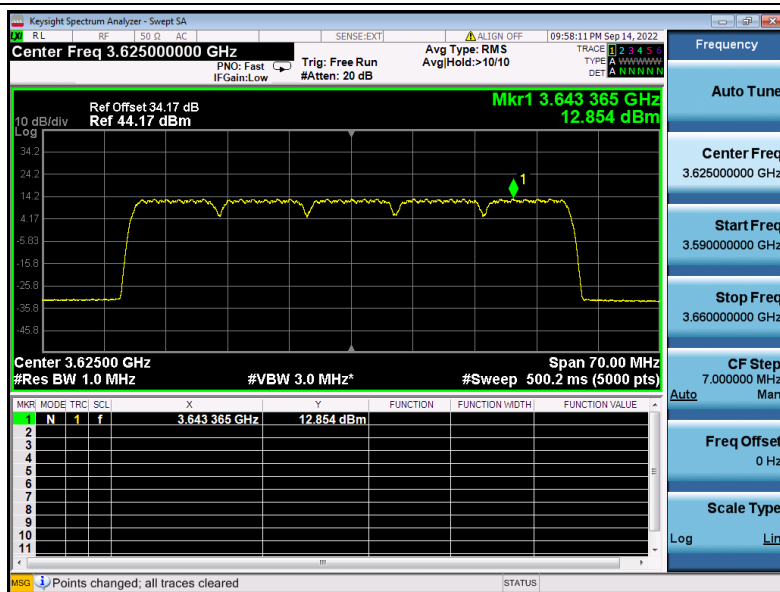
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LTE TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 5C, 10MHz, PSD, 18dB

QPSK Middle channel



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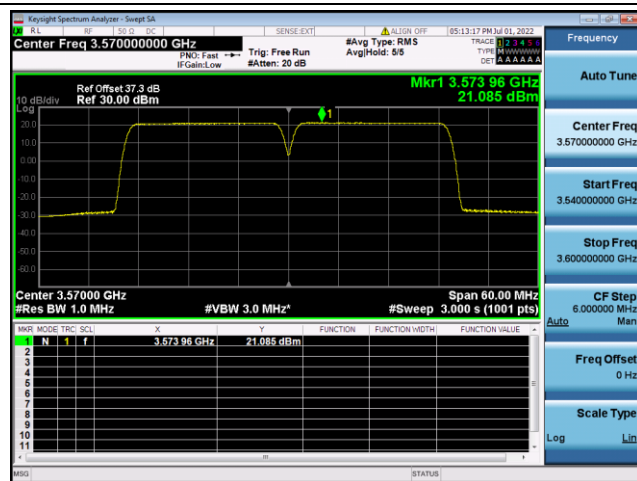
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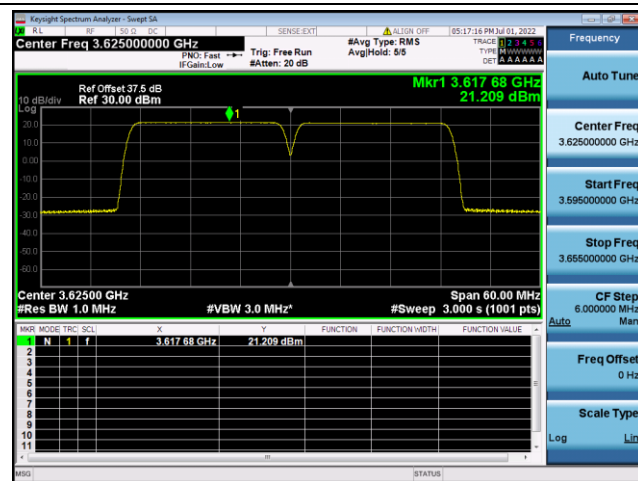
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LTE TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 2C, 20MHz, PSD

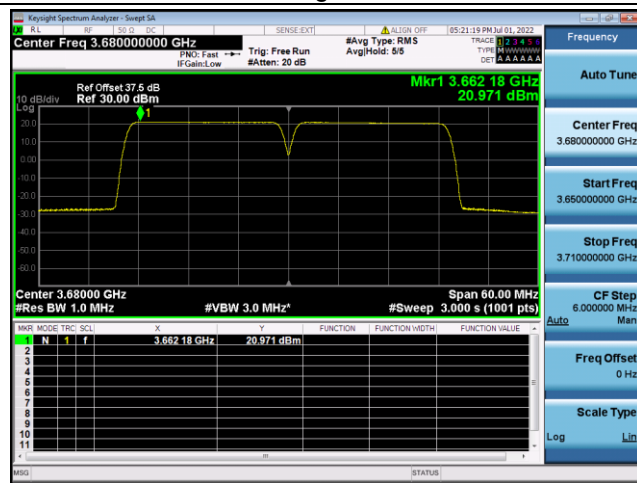
QPSK Low channel



QPSK Middle channel



QPSK High channel



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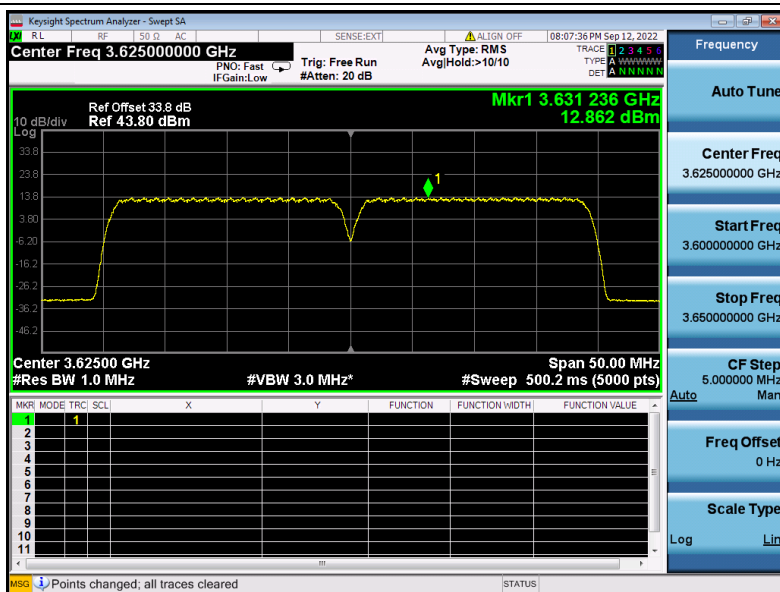
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LTE TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 2C, 20MHz, PSD, 18dB

QPSK Middle channel



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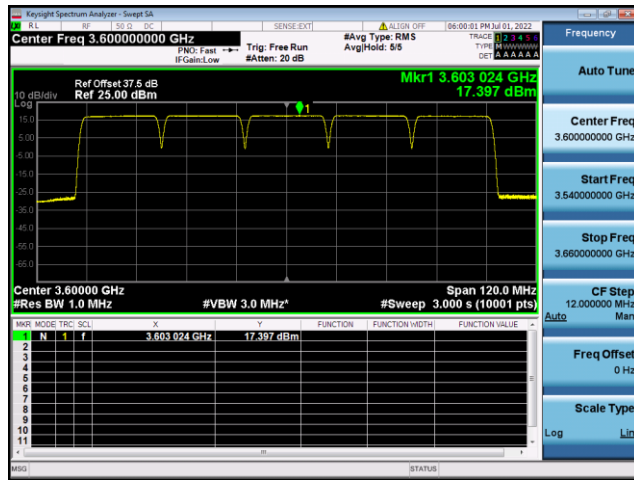
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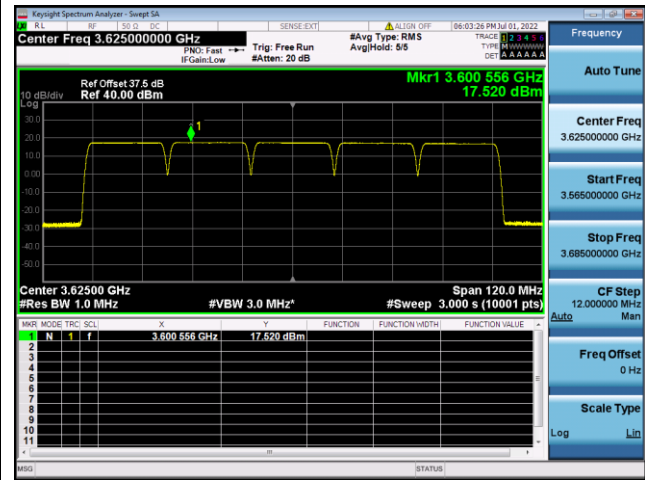
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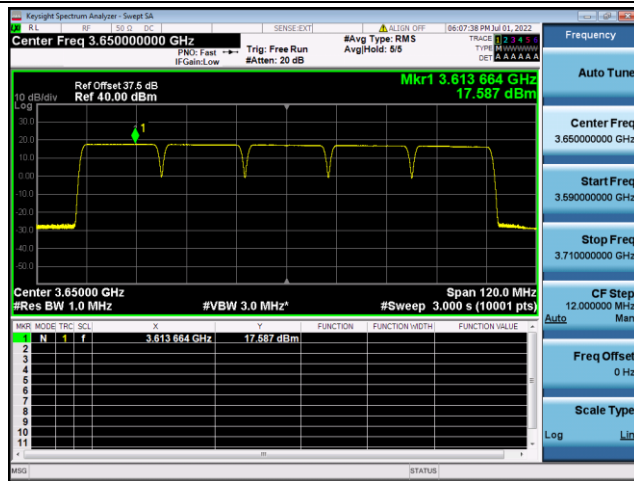
QPSK Low channel



QPSK Middle channel



QPSK High channel



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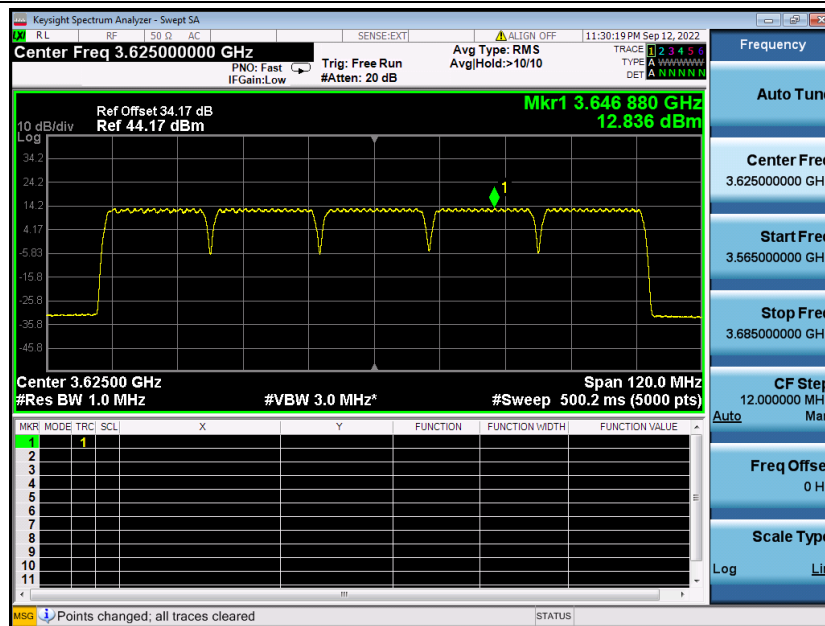
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LTE TDD Band 48 Intra-band CA continuous, Nominal Bandwidth: 5C, 20MHz, PSD, 18dB

QPSK Middle channel

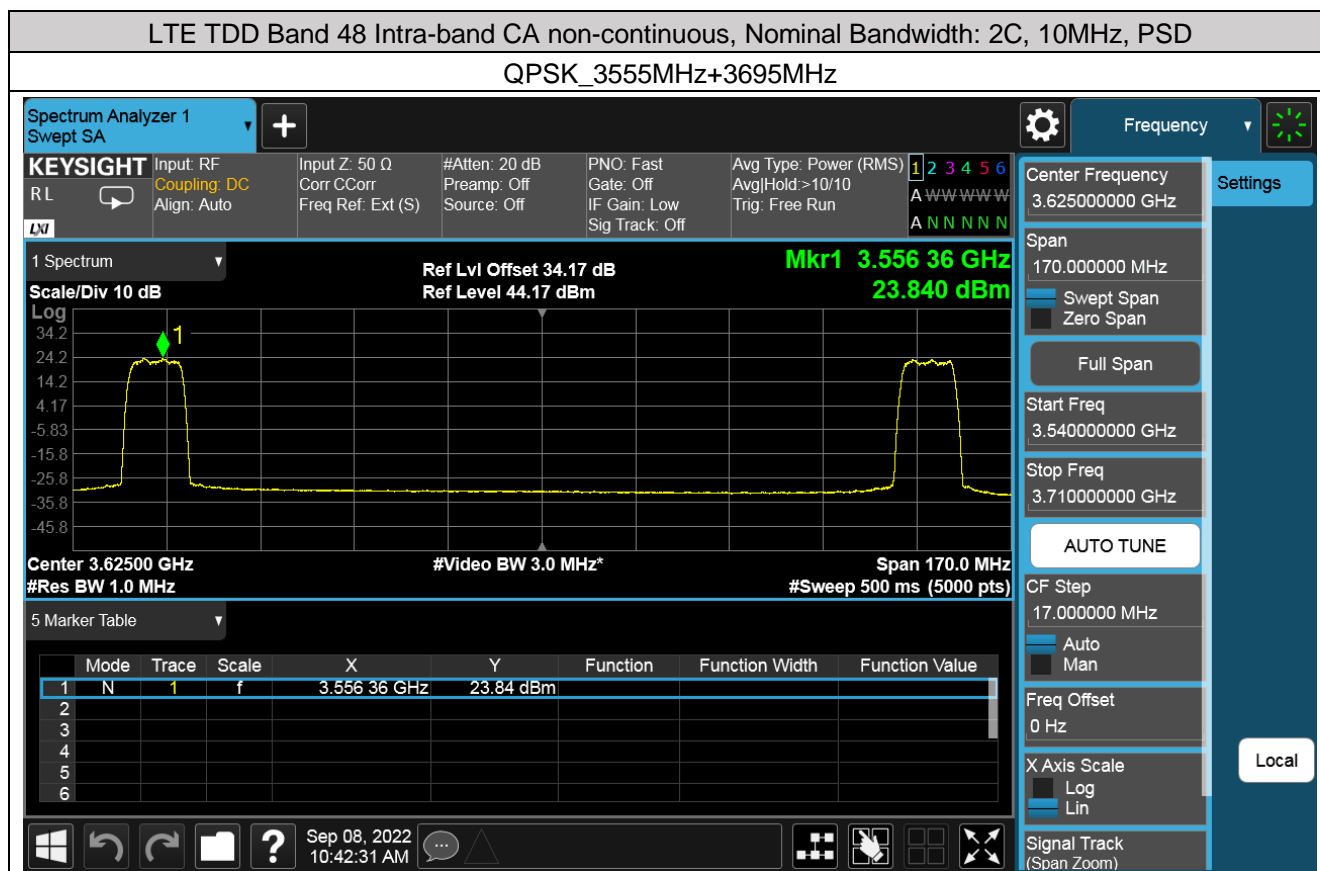


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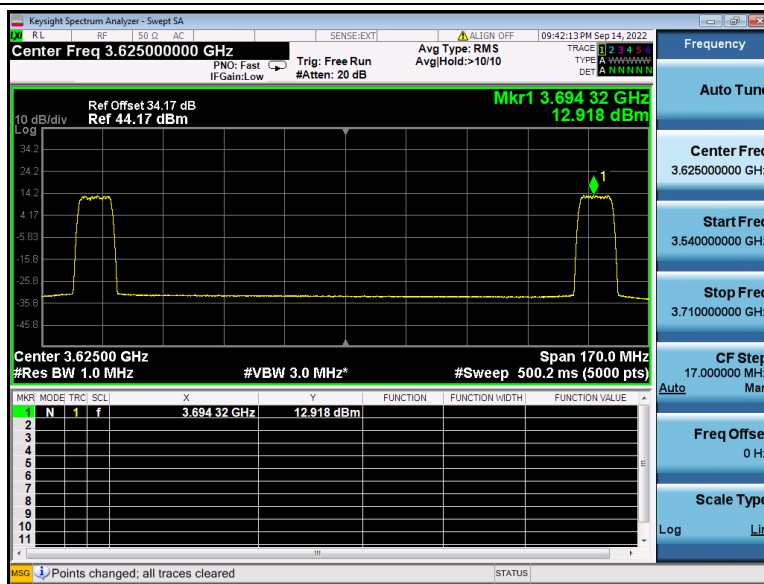
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LTE TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 2C, 10MHz, PSD, 18dB

QPSK_3555MHz+3695MHz



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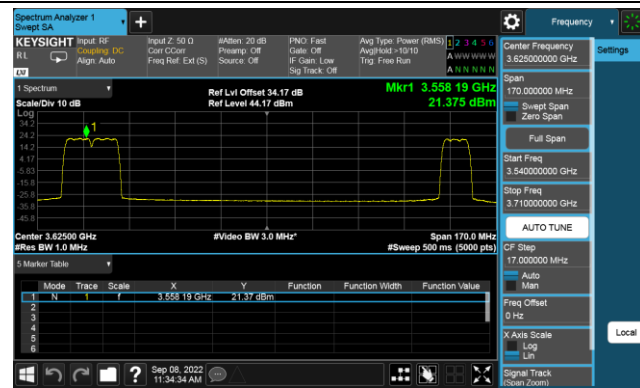
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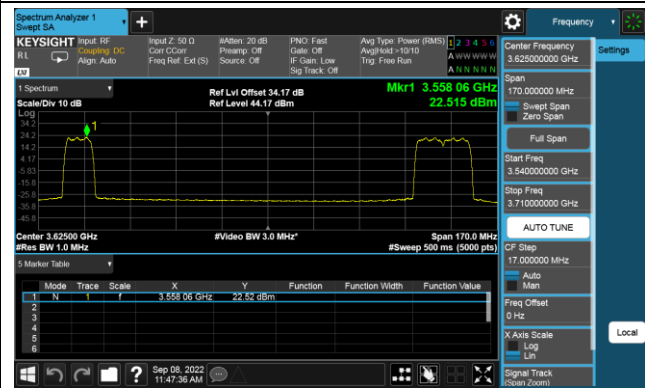
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LTE TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 3C, 10MHz, PSD

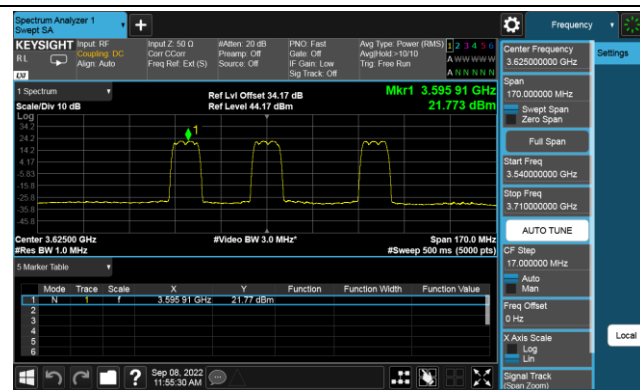
QPSK_3555MHz+3565MHz +3695MHz



QPSK_3555MHz+3685MHz +3695MHz



QPSK_3595MHz +3625MHz +3665MHz



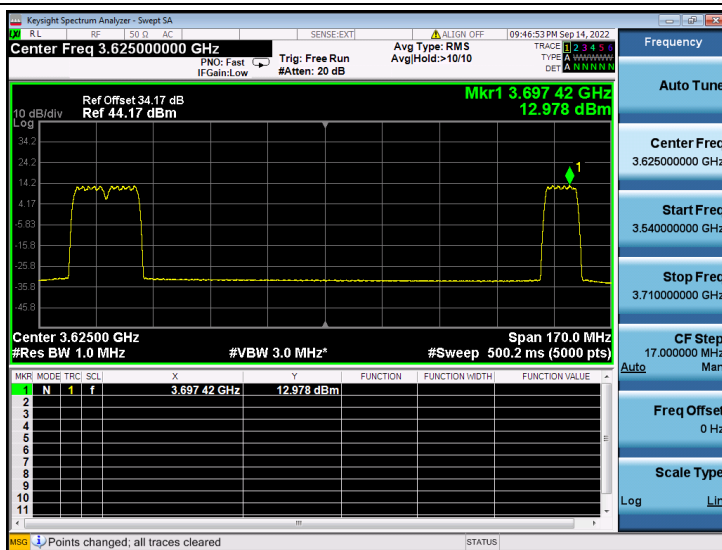
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LTE TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 3C, 10MHz, PSD, 18dB

QPSK_3555MHz+3565MHz +3695MHz



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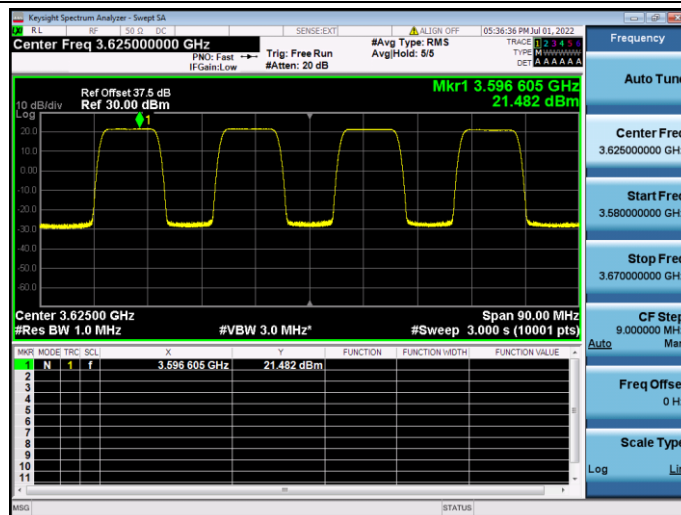
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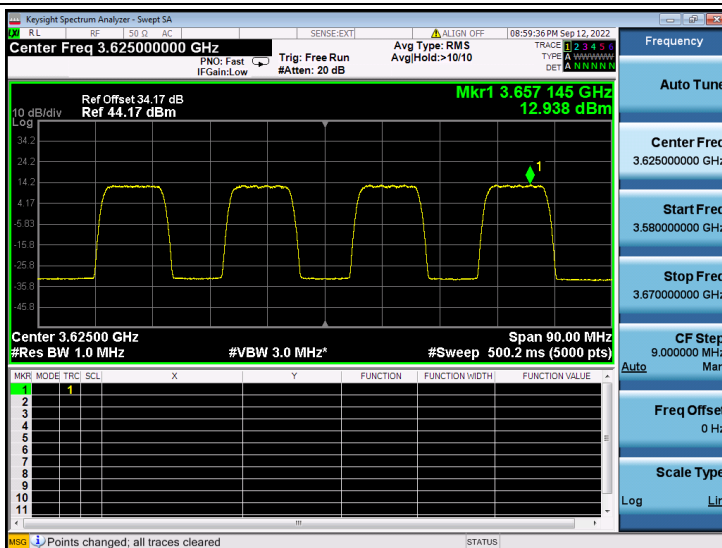
LTE TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 4C, 10MHz, PSD

QPSK_3595MHz+3615MHz +3635MHz +3655MHz



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

QPSK_3595MHz+3615MHz +3635MHz +3655MHz



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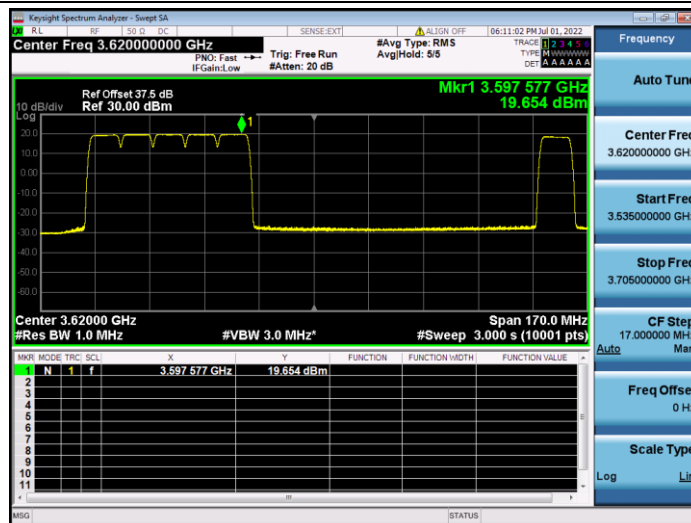
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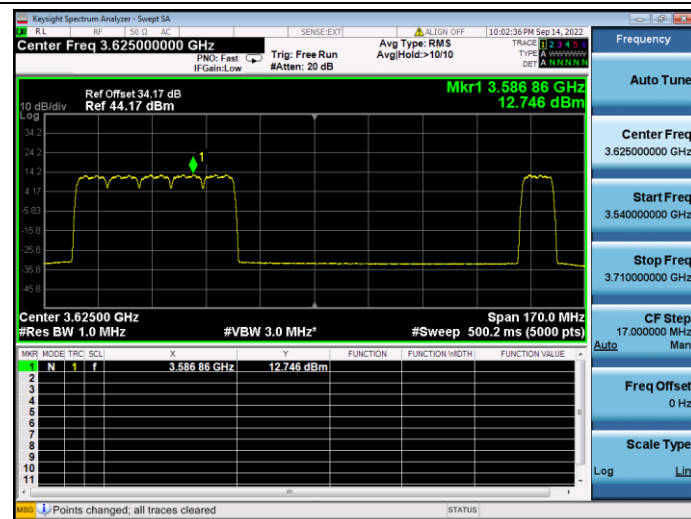
LTE TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 6C, 10MHz, PSD

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



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

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



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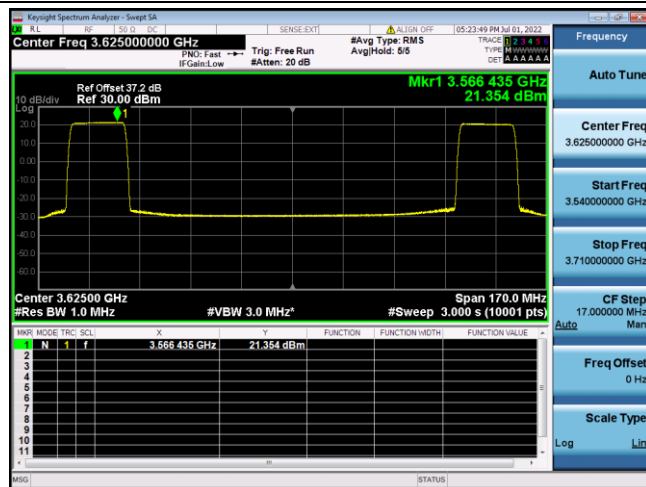
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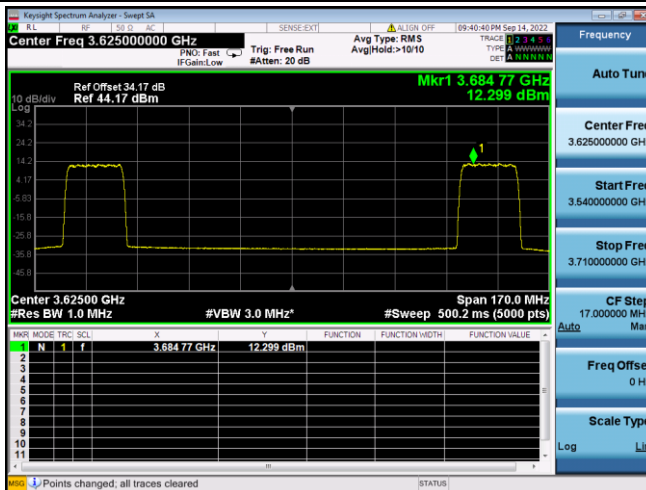
LTE TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 2C, 20MHz, PSD

QPSK_3560MHz+3690MHz



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

QPSK_3560MHz+3690MHz



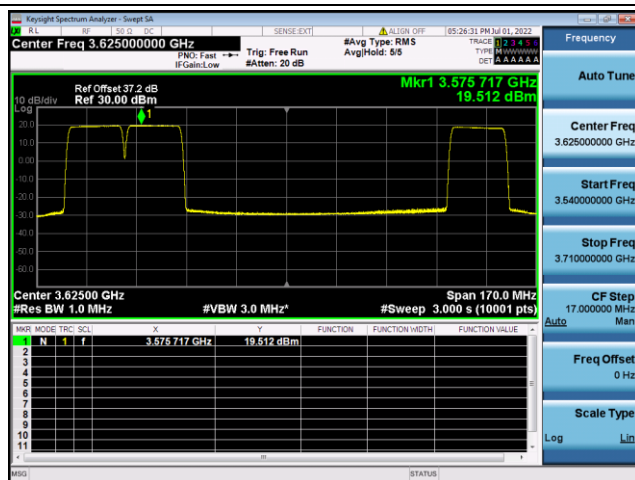
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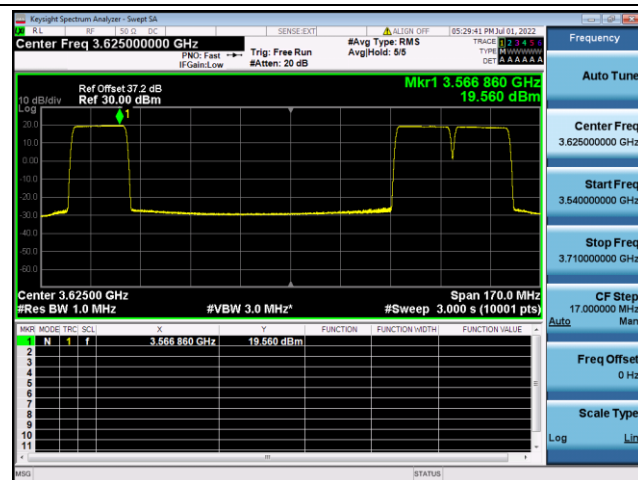
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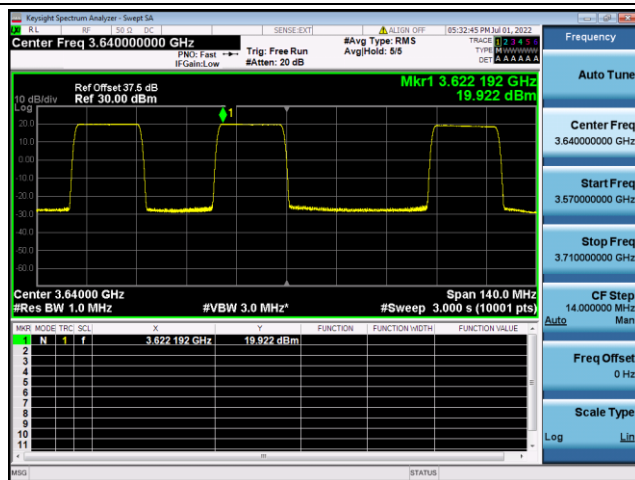
QPSK_3560MHz +3580MHz +3690MHz



QPSK_3560MHz +3670MHz +3690MHz



QPSK_3590MHz +3630MHz +3690MHz



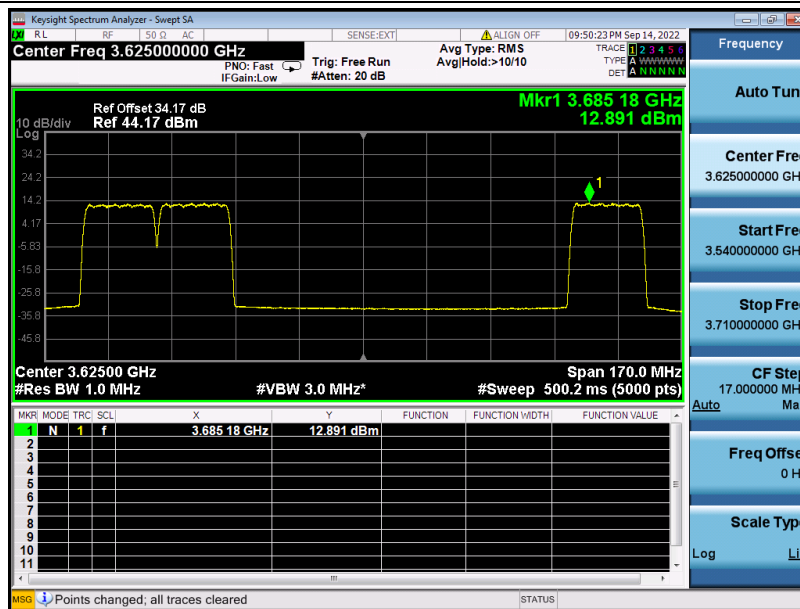
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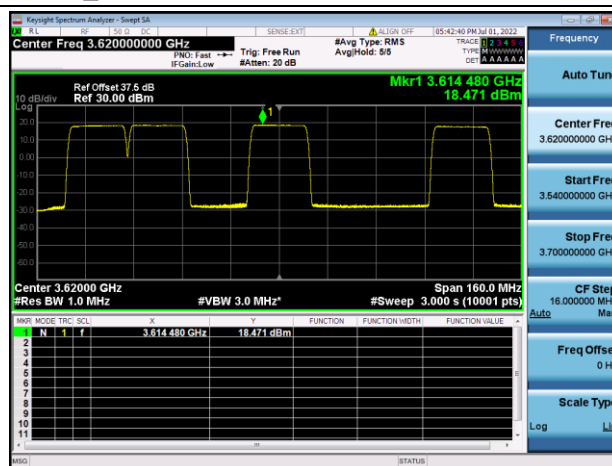
LTE TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 3C, 20MHz, PSD, 18dB

QPSK_3560MHz +3580MHz +3690MHz



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

QPSK_3560MHz +3580MHz +3620MHz +3680MHz



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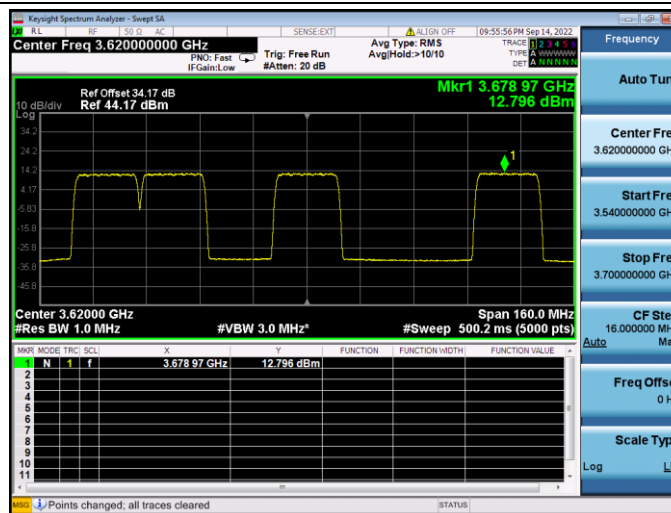
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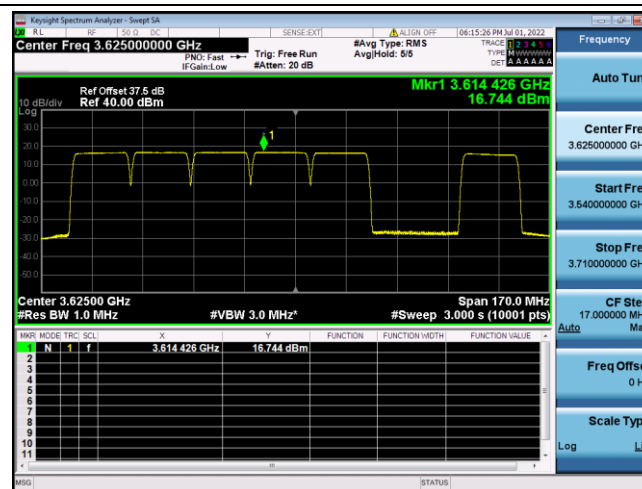
LTE TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 4C, 20MHz, PSD, 18dB

QPSK_3560MHz +3580MHz +3620MHz +3680MHz



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

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



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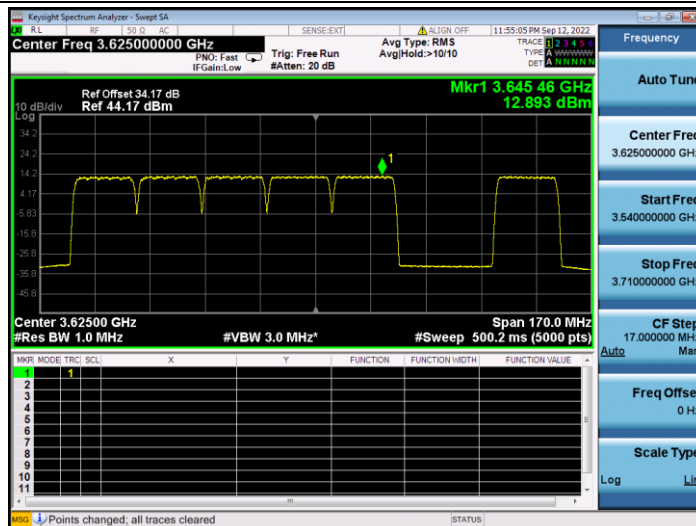
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LTE TDD Band 48 Intra-band CA non-continuous, Nominal Bandwidth: 6C, 20MHz, PSD, 18dB

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



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