1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

For SISO

EIRP Test data_Test Band: 48 _ 5MHz Bandwidth									
Frequency	Modulation	Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/ 10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	36.90	36.90	/	6.00	42.90	42.90	47.0	PASS
	16QAM	36.71	36.71	/	6.00	42.71	42.71	47.0	PASS
	64QAM	36.73	36.73	/	6.00	42.73	42.73	47.0	PASS
	256QAM	36.57	36.57	/	6.00	42.57	42.57	47.0	PASS
MCH	QPSK	36.86	36.86	/	6.00	42.86	42.86	47.0	PASS
	16QAM	36.84	36.84	/	6.00	42.84	42.84	47.0	PASS
	64QAM	36.75	36.75	/	6.00	42.75	42.75	47.0	PASS
	256QAM	36.79	36.79	/	6.00	42.79	42.79	47.0	PASS
HCH	QPSK	36.38	36.38	/	6.00	42.38	42.38	47.0	PASS
	16QAM	36.26	36.26	/	6.00	42.26	42.26	47.0	PASS
	64QAM	36.25	36.25	/	6.00	42.25	42.25	47.0	PASS
	256QAM	36.20	36.20	/	6.00	42.20	42.20	47.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi.									

EIRP Test data_Test Band: 48 _ 10MHz Bandwidth									
Frequency	Modulation	Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	36.89	36.89	/	6.00	42.89	42.89	47.0	PASS
	16QAM	36.94	36.94	/	6.00	42.94	42.94	47.0	PASS
	64QAM	36.87	36.87	/	6.00	42.87	42.87	47.0	PASS
	256QAM	36.91	36.91	/	6.00	42.91	42.91	47.0	PASS
MCH	QPSK	37.35	37.35	/	6.00	43.35	43.35	47.0	PASS
	16QAM	37.26	37.26	/	6.00	43.26	43.26	47.0	PASS
	64QAM	37.25	37.25	/	6.00	43.25	43.25	47.0	PASS
	256QAM	37.25	37.25	/	6.00	43.25	43.25	47.0	PASS
HCH	QPSK	36.63	36.63	/	6.00	42.63	42.63	47.0	PASS
	16QAM	36.54	36.54	/	6.00	42.54	42.54	47.0	PASS
	64QAM	36.48	36.48	/	6.00	42.48	42.48	47.0	PASS
	256QAM	36.52	36.52	/	6.00	42.52	42.52	47.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi									

EIRP Test data_Test Band: 48 _ 15MHz Bandwidth									
Frequency	Modulation	Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	36.95	35.69	/	6.00	42.95	41.69	47.0	PASS
	16QAM	36.96	35.63	/	6.00	42.96	41.63	47.0	PASS
	64QAM	36.94	35.58	/	6.00	42.94	41.58	47.0	PASS
	256QAM	36.92	35.61	/	6.00	42.92	41.61	47.0	PASS

MCH	QPSK	37.43	36.11	/	6.00	43.43	42.11	47.0	PASS
	16QAM	37.28	36.04	/	6.00	43.28	42.04	47.0	PASS
	64QAM	37.35	36.08	/	6.00	43.35	42.08	47.0	PASS
	256QAM	37.36	36.05	/	6.00	43.36	42.05	47.0	PASS
HCH	QPSK	36.98	35.59	/	6.00	42.98	41.59	47.0	PASS
	16QAM	36.98	35.67	/	6.00	42.98	41.67	47.0	PASS
	64QAM	36.86	35.56	/	6.00	42.86	41.56	47.0	PASS
	256QAM	36.84	35.54	/	6.00	42.84	41.54	47.0	PASS

Note:
1) EIRP = Conducted output power + cable loss + Antenna gain (dBi)
2) Antenna gain=6dBi

EIRP Test data_Test Band: 48 _ 20MHz Bandwidth									
Frequency	Modulation	Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	37.04	34.43	/	6.00	43.04	40.43	47.0	PASS
	16QAM	37.03	34.39	/	6.00	43.03	40.39	47.0	PASS
	64QAM	37.03	34.42	/	6.00	43.03	40.42	47.0	PASS
	256QAM	37.01	34.41	/	6.00	43.01	40.41	47.0	PASS
MCH	QPSK	37.46	34.92	/	6.00	43.46	40.92	47.0	PASS
	16QAM	37.34	34.79	/	6.00	43.34	40.79	47.0	PASS
	64QAM	37.40	34.89	/	6.00	43.4	40.89	47.0	PASS
	256QAM	37.39	34.84	/	6.00	43.39	40.84	47.0	PASS
HCH	QPSK	36.88	34.23	/	6.00	42.88	40.23	47.0	PASS
	16QAM	36.91	34.21	/	6.00	42.91	40.21	47.0	PASS
	64QAM	36.92	34.25	/	6.00	42.92	40.25	47.0	PASS
	256QAM	36.89	34.26	/	6.00	42.89	40.26	47.0	PASS

Note:
1) EIRP = Conducted output power + cable loss + Antenna gain (dBi)
2) Antenna gain=6dBi

PSD Test data_Test Band: 48 _ 5MHz Bandwidth										
Modulation	PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	30.297	29.983	29.558	/	6.00	36.297	35.983	35.558	37.0	PASS
16QAM	30.662	30.361	29.840	/	6.00	36.662	36.361	35.840	37.0	PASS
64QAM	30.223	30.224	29.552	/	6.00	36.223	36.224	35.552	37.0	PASS
256QAM	30.264	29.971	29.537	/	6.00	36.264	35.971	35.537	37.0	PASS

Note:
1) EIRP = Conducted output power + cable loss + Antenna gain (dBi)
2) Antenna gain=6dBi

PSD Test data_Test Band: 48 _ 10MHz Bandwidth										
Modulation	PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	27.515	27.151	26.756	/	6.00	33.515	33.151	32.756	37.0	PASS
16QAM	27.945	27.568	27.090	/	6.00	33.945	33.568	33.090	37.0	PASS
64QAM	27.565	27.188	26.691	/	6.00	33.565	33.188	32.691	37.0	PASS
256QAM	27.537	27.167	26.709	/	6.00	33.537	33.167	32.709	37.0	PASS

Note:
1) EIRP = Conducted output power + cable loss + Antenna gain (dBi)
2) Antenna gain=6dBi

PSD Test data_Test Band: 48 _ 15MHz Bandwidth										
Modulation	PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	25.904	25.668	25.420	/	6.00	31.904	31.668	31.420	37.0	PASS
16QAM	26.714	26.567	25.995	/	6.00	32.714	32.567	31.995	37.0	PASS
64QAM	25.764	25.654	25.435	/	6.00	31.764	31.654	31.435	37.0	PASS
256QAM	25.830	25.701	25.448	/	6.00	31.830	31.701	31.448	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi										

PSD Test data_Test Band: 48 _ 20MHz Bandwidth										
Modulation	PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	24.765	24.477	24.605	/	6.00	30.765	30.477	30.605	37.0	PASS
16QAM	25.121	24.804	25.039	/	6.00	31.121	30.804	31.039	37.0	PASS
64QAM	24.803	24.420	24.583	/	6.00	30.803	30.42	30.583	37.0	PASS
256QAM	24.693	24.289	24.560	/	6.00	30.693	30.289	30.560	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi										

For 2x2MIMO

For 5MHz, need to back off 3dB (34dBm per carrier, 37dBm total power) to meet the Category B CBSD Max EIRP 47dBm/10MHz and Max PSD 37dBm/MHz requirement.

EIRP Test data_Test Band: 48 _ 5MHz Bandwidth									
Frequency	Modulation	2x2MIMO Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	36.90	36.90	/	6.00	42.90	42.90	47.0	PASS
	16QAM	36.71	36.71	/	6.00	42.71	42.71	47.0	PASS
	64QAM	36.73	36.73	/	6.00	42.73	42.73	47.0	PASS
	256QAM	36.57	36.57	/	6.00	42.57	42.57	47.0	PASS
MCH	QPSK	36.86	36.86	/	6.00	42.86	42.86	47.0	PASS
	16QAM	36.84	36.84	/	6.00	42.84	42.84	47.0	PASS
	64QAM	36.75	36.75	/	6.00	42.75	42.75	47.0	PASS
	256QAM	36.79	36.79	/	6.00	42.79	42.79	47.0	PASS
HCH	QPSK	36.38	36.38	/	6.00	42.38	42.38	47.0	PASS
	16QAM	36.26	36.26	/	6.00	42.26	42.26	47.0	PASS
	64QAM	36.25	36.25	/	6.00	42.25	42.25	47.0	PASS
	256QAM	36.20	36.20	/	6.00	42.20	42.20	47.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.									

EIRP Test data_Test Band: 48 _ 10MHz Bandwidth									
Frequency	Modulation	2x2MIMO Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	39.89	39.89	/	6.00	45.89	45.89	47.0	PASS

	16QAM	39.94	39.94	/	6.00	45.94	45.94	47.0	PASS
	64QAM	39.87	39.87	/	6.00	45.87	45.87	47.0	PASS
	256QAM	39.91	39.91	/	6.00	45.91	45.91	47.0	PASS
MCH	QPSK	40.35	40.35	/	6.00	46.35	46.35	47.0	PASS
	16QAM	40.26	40.26	/	6.00	46.26	46.26	47.0	PASS
	64QAM	40.25	40.25	/	6.00	46.25	46.25	47.0	PASS
	256QAM	40.25	40.25	/	6.00	46.25	46.25	47.0	PASS
HCH	QPSK	39.63	39.63	/	6.00	45.63	45.63	47.0	PASS
	16QAM	39.54	39.54	/	6.00	45.54	45.54	47.0	PASS
	64QAM	39.48	39.48	/	6.00	45.48	45.48	47.0	PASS
	256QAM	39.52	39.52	/	6.00	45.52	45.52	47.0	PASS

Note:
1) EIRP = Conducted output power + cable loss + Antenna gain (dBi)
2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.

EIRP Test data_Test Band: 48 _ 15MHz Bandwidth									
Frequency	Modulation	2x2MIMO Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	39.95	38.69	/	6.00	45.95	44.69	47.0	PASS
	16QAM	39.96	38.63	/	6.00	45.96	44.63	47.0	PASS
	64QAM	39.94	38.58	/	6.00	45.94	44.58	47.0	PASS
	256QAM	39.92	38.61	/	6.00	45.92	44.61	47.0	PASS
MCH	QPSK	40.43	39.11	/	6.00	46.43	45.11	47.0	PASS
	16QAM	40.28	39.04	/	6.00	46.28	45.04	47.0	PASS
	64QAM	40.35	39.08	/	6.00	46.35	45.08	47.0	PASS
	256QAM	40.36	39.05	/	6.00	46.36	45.05	47.0	PASS
HCH	QPSK	39.98	38.59	/	6.00	45.98	44.59	47.0	PASS
	16QAM	39.98	38.67	/	6.00	45.98	44.67	47.0	PASS
	64QAM	39.86	38.56	/	6.00	45.86	44.56	47.0	PASS
	256QAM	39.84	38.54	/	6.00	45.84	44.54	47.0	PASS

Note:
1) EIRP = Conducted output power + cable loss + Antenna gain (dBi)
2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.

EIRP Test data_Test Band: 48 _ 20MHz Bandwidth									
Frequency	Modulation	2x2MIMO Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	40.04	37.43	/	6.00	46.04	43.43	47.0	PASS
	16QAM	40.03	37.39	/	6.00	46.03	43.39	47.0	PASS
	64QAM	40.03	37.42	/	6.00	46.03	43.42	47.0	PASS
	256QAM	40.01	37.41	/	6.00	46.01	43.41	47.0	PASS
MCH	QPSK	40.46	37.92	/	6.00	46.46	43.92	47.0	PASS
	16QAM	40.34	37.79	/	6.00	46.34	43.79	47.0	PASS
	64QAM	40.40	37.89	/	6.00	46.4	43.89	47.0	PASS
	256QAM	40.39	37.84	/	6.00	46.39	43.84	47.0	PASS
HCH	QPSK	39.88	37.23	/	6.00	45.88	43.23	47.0	PASS
	16QAM	39.91	37.21	/	6.00	45.91	43.21	47.0	PASS
	64QAM	39.92	37.25	/	6.00	45.92	43.25	47.0	PASS
	256QAM	39.89	37.26	/	6.00	45.89	43.26	47.0	PASS

Note:
1) EIRP = Conducted output power + cable loss + Antenna gain (dBi)
2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.

PSD Test data_Test Band: 48 _ 5MHz Bandwidth										
Modulation	2x2MIMO PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	30.297	29.983	29.558	/	6.00	36.297	35.983	35.558	37.0	PASS
16QAM	30.662	30.361	29.840	/	6.00	36.662	36.361	35.840	37.0	PASS
64QAM	30.223	30.224	29.552	/	6.00	36.223	36.224	35.552	37.0	PASS
256QAM	30.264	29.971	29.537	/	6.00	36.264	35.971	35.537	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi										

PSD Test data_Test Band: 48 _ 10MHz Bandwidth										
Modulation	2x2MIMO PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	30.515	30.151	29.756	/	6.00	36.515	36.151	35.756	37.0	PASS
16QAM	30.945	30.568	30.090	/	6.00	36.945	36.568	36.090	37.0	PASS
64QAM	30.565	30.188	29.691	/	6.00	36.565	36.188	35.691	37.0	PASS
256QAM	30.537	30.167	29.709	/	6.00	36.537	36.167	35.709	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.										

PSD Test data_Test Band: 48 _ 15MHz Bandwidth										
Modulation	2x2MIMO PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	28.904	28.668	28.42	/	6.00	34.904	34.668	34.42	37.0	PASS
16QAM	29.714	29.567	28.995	/	6.00	35.714	35.567	34.995	37.0	PASS
64QAM	28.764	28.654	28.435	/	6.00	34.764	34.654	34.435	37.0	PASS
256QAM	28.830	28.701	28.448	/	6.00	34.830	34.701	34.448	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.										

PSD Test data_Test Band: 48 _ 20MHz Bandwidth										
Modulation	2x2MIMO PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	24.765	24.477	24.605	/	6.00	30.765	30.477	30.605	37.0	PASS
16QAM	25.121	24.804	25.039	/	6.00	31.121	30.804	31.039	37.0	PASS
64QAM	24.803	24.420	24.583	/	6.00	30.803	30.42	30.583	37.0	PASS
256QAM	24.693	24.289	24.560	/	6.00	30.693	30.289	30.560	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.										

For 4x4MIMO

For 5MHz, need to back off 6dB (31dBm per carrier, 37dBm total power) to meet the Category B CBSD Max EIRP 47dBm/10MHz and Max PSD 37dBm/MHz requirement.
For 10MHz, need to back off 3dB (34dBm per carrier, 40dBm total power) to meet the Category B CBSD Max EIRP 47dBm/10MHz and Max PSD 37dBm/MHz requirement.
For 15MHz, need to back off 2dB (35dBm per carrier, 41dBm total power) to meet the Category B CBSD Max EIRP 47dBm/10MHz and Max PSD 37dBm/MHz requirement.
For 20MHz, need to back off 1dB (36dBm per carrier, 42dBm total power) to meet the Category B CBSD Max EIRP 47dBm/10MHz and Max PSD 37dBm/MHz requirement.

EIRP Test data_Test Band: 48 _ 5MHz Bandwidth									
Frequency	Modulation	4x4MIMO Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	36.90	36.90	/	6.00	42.90	42.90	47.0	PASS
	16QAM	36.71	36.71	/	6.00	42.71	42.71	47.0	PASS
	64QAM	36.73	36.73	/	6.00	42.73	42.73	47.0	PASS
	256QAM	36.57	36.57	/	6.00	42.57	42.57	47.0	PASS
MCH	QPSK	36.86	36.86	/	6.00	42.86	42.86	47.0	PASS
	16QAM	36.84	36.84	/	6.00	42.84	42.84	47.0	PASS
	64QAM	36.75	36.75	/	6.00	42.75	42.75	47.0	PASS
	256QAM	36.79	36.79	/	6.00	42.79	42.79	47.0	PASS
HCH	QPSK	36.38	36.38	/	6.00	42.38	42.38	47.0	PASS
	16QAM	36.26	36.26	/	6.00	42.26	42.26	47.0	PASS
	64QAM	36.25	36.25	/	6.00	42.25	42.25	47.0	PASS
	256QAM	36.20	36.20	/	6.00	42.20	42.20	47.0	PASS

Note:
1) EIRP = Conducted output power + cable loss + Antenna gain (dBi)
2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.

EIRP Test data_Test Band: 48 _ 10MHz Bandwidth									
Frequency	Modulation	4x4MIMO Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	39.89	39.89	/	6.00	45.89	45.89	47.0	PASS
	16QAM	39.94	39.94	/	6.00	45.94	45.94	47.0	PASS
	64QAM	39.87	39.87	/	6.00	45.87	45.87	47.0	PASS
	256QAM	39.91	39.91	/	6.00	45.91	45.91	47.0	PASS
MCH	QPSK	40.35	40.35	/	6.00	46.35	46.35	47.0	PASS
	16QAM	40.26	40.26	/	6.00	46.26	46.26	47.0	PASS
	64QAM	40.25	40.25	/	6.00	46.25	46.25	47.0	PASS
	256QAM	40.25	40.25	/	6.00	46.25	46.25	47.0	PASS
HCH	QPSK	39.63	39.63	/	6.00	45.63	45.63	47.0	PASS
	16QAM	39.54	39.54	/	6.00	45.54	45.54	47.0	PASS
	64QAM	39.48	39.48	/	6.00	45.48	45.48	47.0	PASS
	256QAM	39.52	39.52	/	6.00	45.52	45.52	47.0	PASS

Note:
1) EIRP = Conducted output power + cable loss + Antenna gain (dBi)
2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.

EIRP Test data_Test Band: 48 _ 15MHz Bandwidth									
Frequency	Modulation	4x4MIMO Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	40.95	39.69	/	6.00	46.95	45.69	47.0	PASS
	16QAM	40.96	39.63	/	6.00	46.96	45.63	47.0	PASS
	64QAM	40.94	39.58	/	6.00	46.94	45.58	47.0	PASS
	256QAM	40.92	39.61	/	6.00	46.92	45.61	47.0	PASS
MCH	QPSK	41.43	40.11	/	6.00	47.43	46.11	47.0	PASS
	16QAM	41.28	40.04	/	6.00	47.28	46.04	47.0	PASS
	64QAM	41.35	40.08	/	6.00	47.35	46.08	47.0	PASS
	256QAM	41.36	40.05	/	6.00	47.36	46.05	47.0	PASS
HCH	QPSK	40.98	39.59	/	6.00	46.98	45.59	47.0	PASS
	16QAM	40.98	39.67	/	6.00	46.98	45.67	47.0	PASS
	64QAM	40.86	39.56	/	6.00	46.86	45.56	47.0	PASS
	256QAM	40.84	39.54	/	6.00	46.84	45.54	47.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.									

EIRP Test data_Test Band: 48 _ 20MHz Bandwidth									
Frequency	Modulation	4x4MIMO Conducted Power		Antenna gain		EIRP Total Power	EIRP dBm/10MHz	Limit (dBm/10MHz)	Verdict
		Total Power	Channel Power						
		dBm	dBm/10MHz	(dBd)	(dBi)				
LCH	QPSK	42.04	39.43	/	6.00	48.04	45.43	47.0	PASS
	16QAM	42.03	39.39	/	6.00	48.03	45.39	47.0	PASS
	64QAM	42.03	39.42	/	6.00	48.03	45.42	47.0	PASS
	256QAM	42.01	39.41	/	6.00	48.01	45.41	47.0	PASS
MCH	QPSK	42.46	39.92	/	6.00	48.46	45.92	47.0	PASS
	16QAM	42.34	39.79	/	6.00	48.34	45.79	47.0	PASS
	64QAM	42.4	39.89	/	6.00	48.4	45.89	47.0	PASS
	256QAM	42.39	39.84	/	6.00	48.39	45.84	47.0	PASS
HCH	QPSK	41.88	39.23	/	6.00	47.88	45.23	47.0	PASS
	16QAM	41.91	39.21	/	6.00	47.91	45.21	47.0	PASS
	64QAM	41.92	39.25	/	6.00	47.92	45.25	47.0	PASS
	256QAM	41.89	39.26	/	6.00	47.89	45.26	47.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.									

PSD Test data_Test Band: 48 _ 5MHz Bandwidth										
Modulation	4x4MIMO PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	30.297	29.983	29.558	/	6.00	36.297	35.983	35.558	37.0	PASS
16QAM	30.662	30.361	29.840	/	6.00	36.662	36.361	35.840	37.0	PASS
64QAM	30.223	30.224	29.552	/	6.00	36.223	36.224	35.552	37.0	PASS
256QAM	30.264	29.971	29.537	/	6.00	36.264	35.971	35.537	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.										

PSD Test data_Test Band: 48 _ 10MHz Bandwidth										
Modulation	4x4MIMO PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	30.515	30.151	29.756	/	6.00	36.515	36.151	35.756	37.0	PASS
16QAM	30.945	30.568	30.090	/	6.00	36.945	36.568	36.090	37.0	PASS
64QAM	30.565	30.188	29.691	/	6.00	36.565	36.188	35.691	37.0	PASS
256QAM	30.537	30.167	29.709	/	6.00	36.537	36.167	35.709	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.										

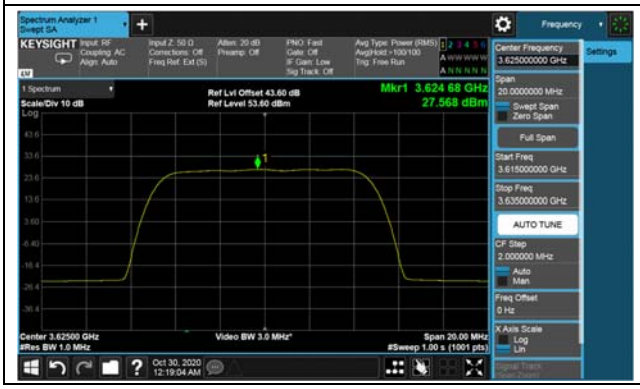
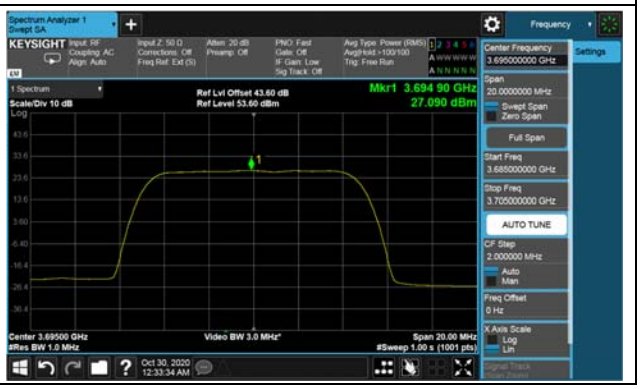
PSD Test data_Test Band: 48 _ 15MHz Bandwidth										
Modulation	4x4MIMO PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	29.904	29.668	29.420	/	6.00	35.904	35.668	35.420	37.0	PASS
16QAM	30.714	30.567	29.995	/	6.00	36.714	36.567	35.995	37.0	PASS
64QAM	29.764	29.654	29.435	/	6.00	35.764	35.654	35.435	37.0	PASS
256QAM	29.830	29.701	29.448	/	6.00	35.830	35.701	35.448	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.										

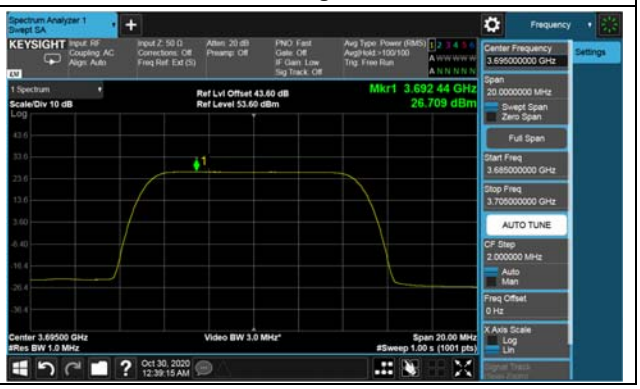
PSD Test data_Test Band: 48 _ 20MHz Bandwidth										
Modulation	4x4MIMO PSD (dBm/MHz)			Antenna gain		EIRP PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	29.765	29.477	29.605	/	6.00	35.765	35.477	35.605	37.0	PASS
16QAM	30.121	29.804	30.039	/	6.00	36.121	35.804	36.039	37.0	PASS
64QAM	29.803	29.420	29.583	/	6.00	35.803	35.420	35.583	37.0	PASS
256QAM	29.693	29.289	29.560	/	6.00	35.693	35.289	35.560	37.0	PASS
Note: 1) EIRP = Conducted output power + cable loss + Antenna gain (dBi) 2) Antenna gain=6dBi. The antenna is uncorrelated, directional gain equals to antenna gain.										

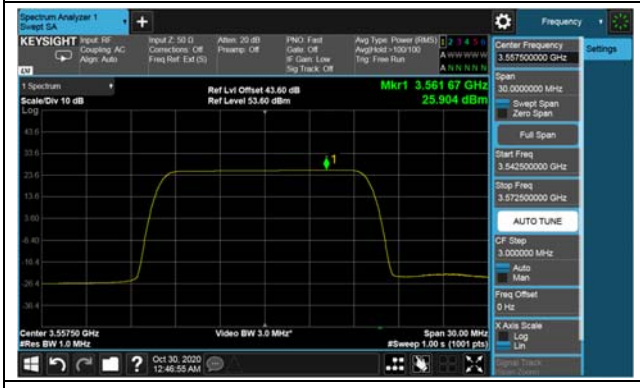
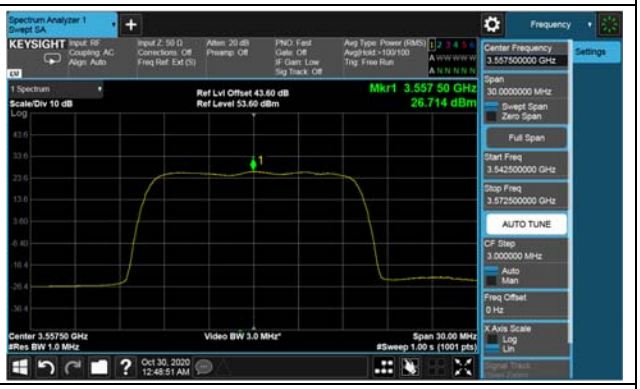
The port with highest PSD i.e. worst case per port per modulation has been highlighted in the following pictures

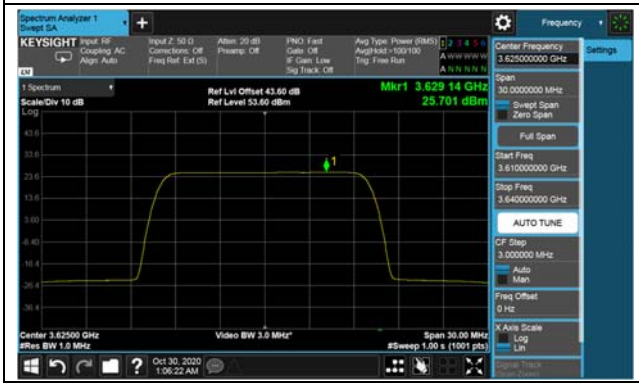
LTE TDD Band 48, Nominal Bandwidth: 5MHz, PSD	
QPSK Low channel	QPSK Middle channel
	
QPSK High channel	16QAM Low channel
	
16QAM Middle channel	16QAM High channel
	

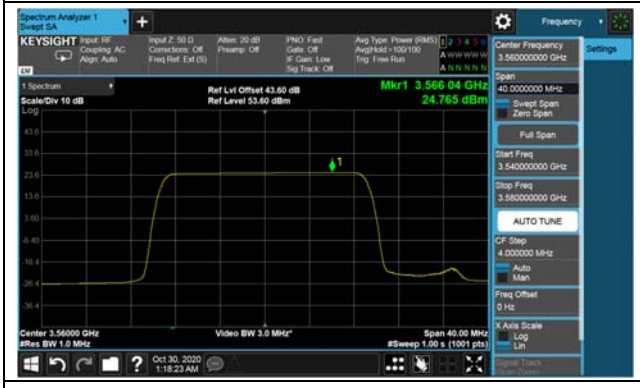
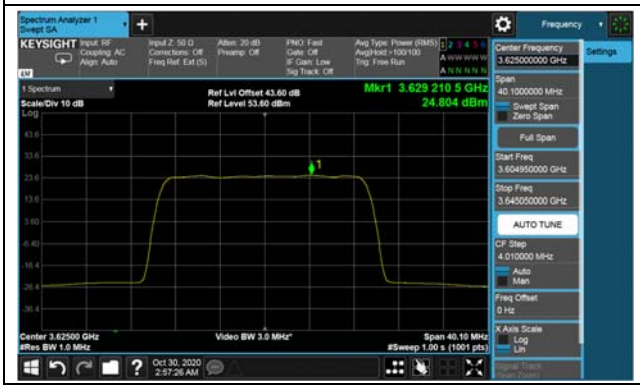
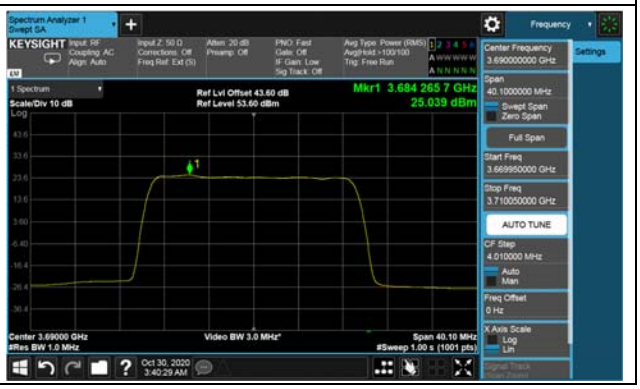
64QAM Low channel	64QAM Middle channel
	
64QAM High channel	256QAM Low channel
	
256QAM Middle channel	256QAM High channel
	

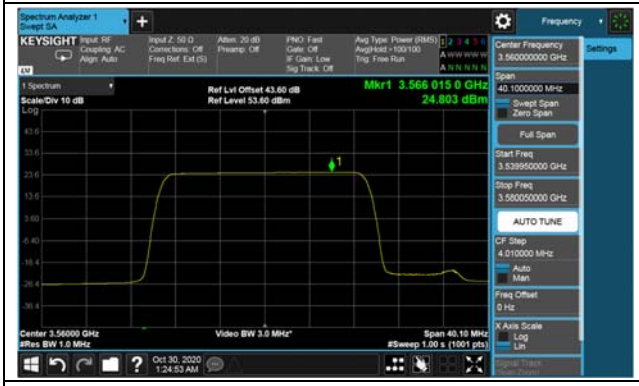
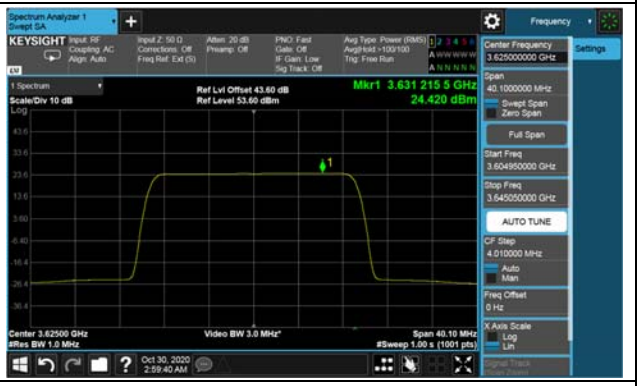
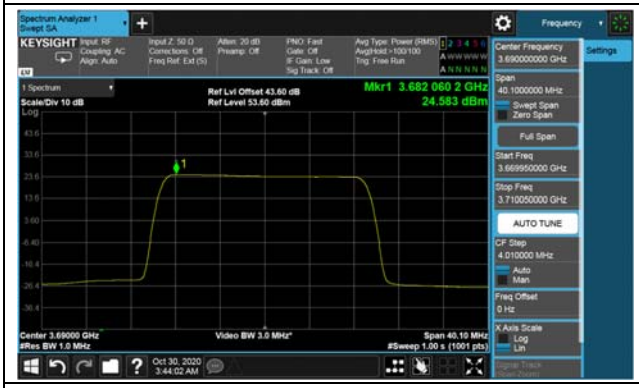
LTE TDD Band 48, Nominal Bandwidth: 10MHz , PSD	
QPSK Low channel	QPSK Middle channel
	
QPSK High channel	16QAM Low channel
	
16QAM Middle channel	16QAM High channel
	

64QAM Low channel	64QAM Middle channel
	
64QAM High channel	256QAM Low channel
	
256QAM Middle channel	256QAM High channel
	

LTE TDD Band 48, Nominal Bandwidth: 15MHz, PSD	
QPSK Low channel	QPSK Middle channel
	
QPSK High channel	16QAM Low channel
	
16QAM Middle channel	16QAM High channel
	

64QAM Low channel	64QAM Middle channel
	
64QAM High channel	256QAM Low channel
	
256QAM Middle channel	256QAM High channel
	

LTE TDD Band 48, Nominal Bandwidth: 20MHz, PSD	
QPSK Low channel	QPSK Middle channel
	
QPSK High channel	16QAM Low channel
	
16QAM Middle channel	16QAM High channel
	

64QAM Low channel	64QAM Middle channel
	
64QAM High channel	256QAM Low channel
	
256QAM Middle channel	256QAM High channel