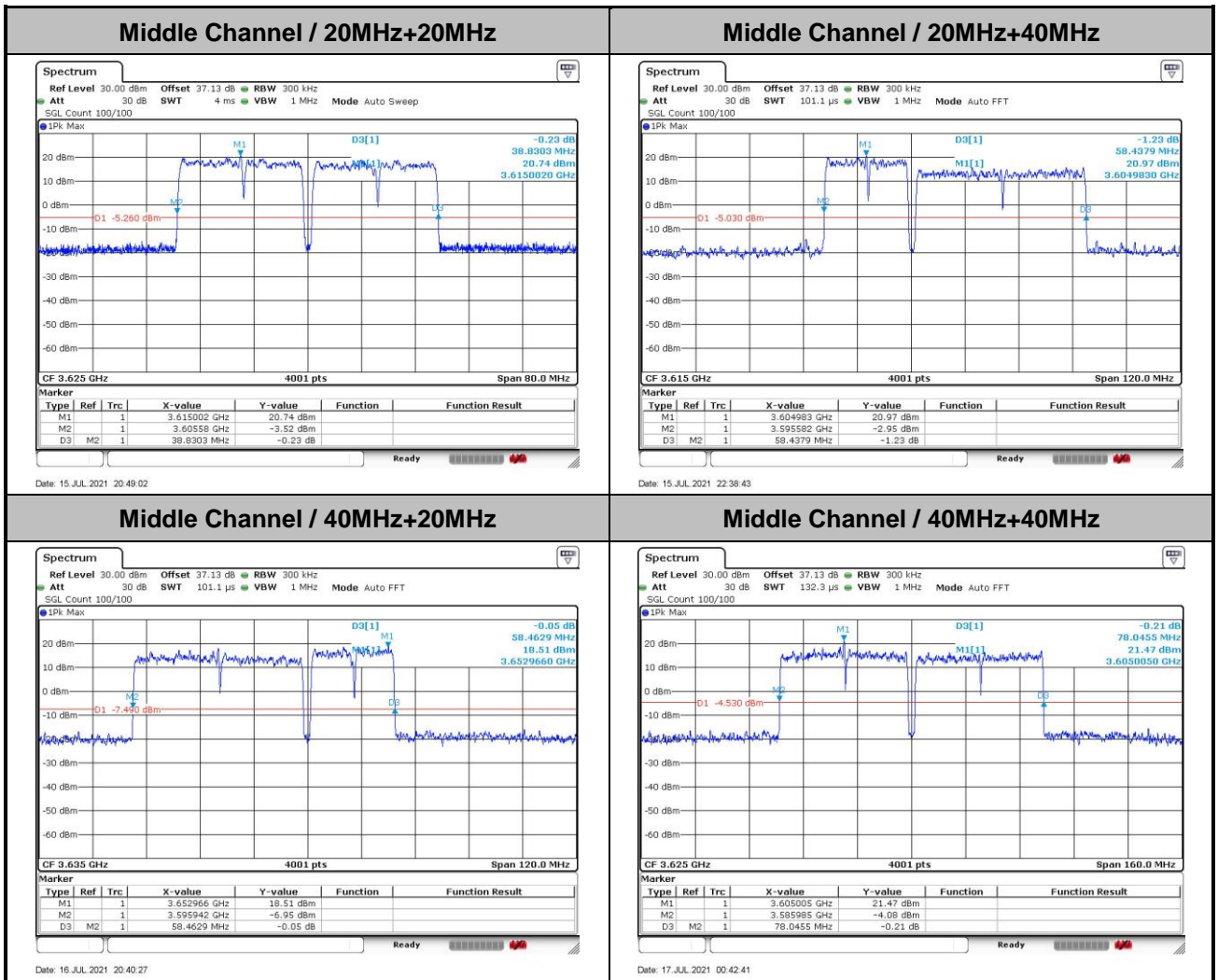




<Multi Carrier (Contiguous)>

26dB Bandwidth

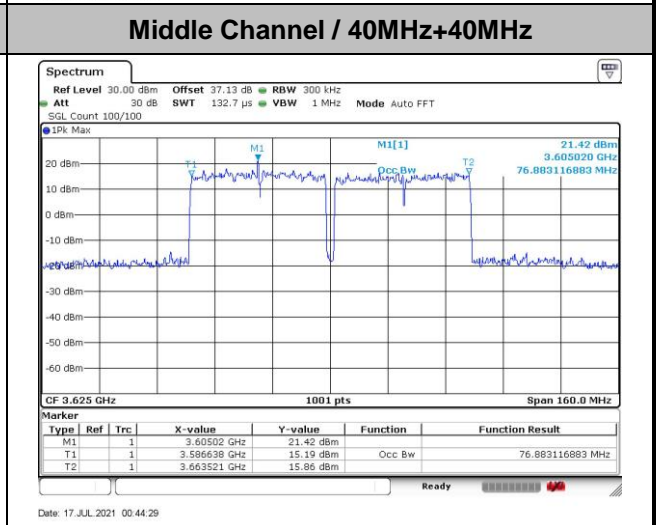
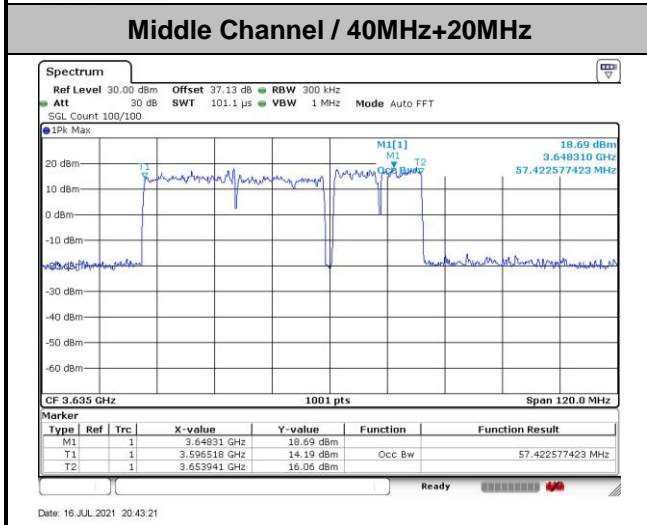
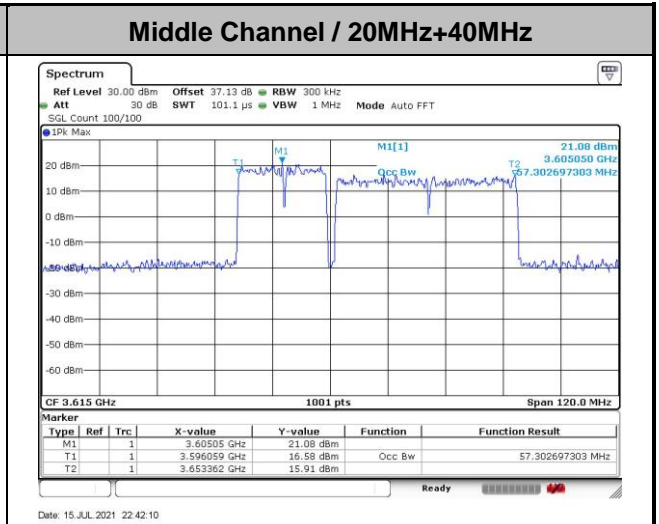
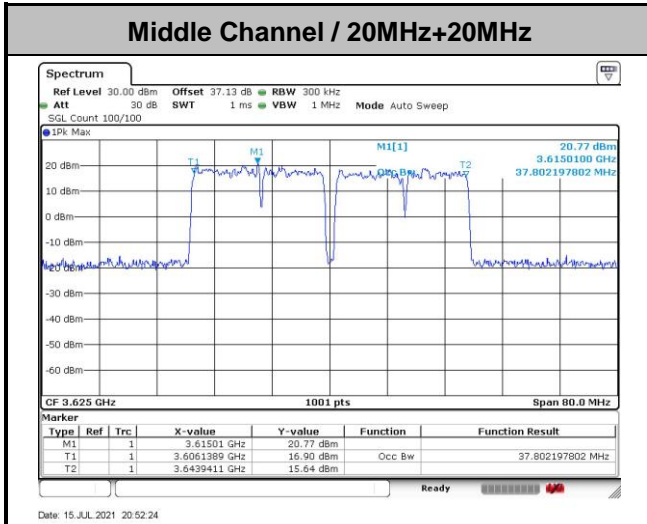
Mode	26dB BW(MHz)			
Frequency	3615MHz + 3635MHz	3605MHz + 3635MHz	3615MHz + 3645MHz	3605MHz + 3645MHz
BW	20MHz+20MHz	20MHz+40MHz	40MHz+20MHz	40MHz+40MHz
Middle CH	38.830	58.438	58.463	78.046





Occupied Bandwidth

Mode	99%OBW(MHz)			
Frequency	3615MHz + 3635MHz	3605MHz + 3635MHz	3615MHz + 3645MHz	3605MHz + 3645MHz
BW	20MHz+20MHz	20MHz+40MHz	40MHz+20MHz	40MHz+40MHz
Middle CH	37.802	57.303	57.423	76.883





EIRP Power Density

EIRP PSD (dBm/MHz)						
Mode	Frequency (MHz)	DG (dBi)	MIMO Factor	Single port conducted power (dBm/MHz)	Total EIRP (dBm/MHz)	Limit (dBm/MHz)
20MHz+20MHz_Low	3560 + 3580	15.01	9.03	7.83	31.87	< 37 dBm
20MHz+20MHz_Middle	3615 + 3635	15.01	9.03	11.96	36.00	
20MHz+20MHz_High	3670 + 3690	15.01	9.03	11.64	35.68	
20MHz+40MHz_Low	3560 + 3590	15.01	9.03	7.77	31.81	
20MHz+40MHz_Middle	3605 + 3635	15.01	9.03	12.08	36.12	
20MHz+40MHz_High	3650 + 3680	15.01	9.03	9.20	33.24	
40MHz+20MHz_Low	3570 + 3600	15.01	9.03	8.07	32.11	
40MHz+20MHz_Middle	3615 + 3645	15.01	9.03	9.32	33.36	
40MHz+20MHz_High	3660 + 3690	15.01	9.03	11.39	35.43	
40MHz+40MHz_Low	3570 + 3610	15.01	9.03	10.44	34.48	
40MHz+40MHz_Middle	3605 + 3645	15.01	9.03	12.23	36.27	
40MHz+40MHz_High	3640 + 3680	15.01	9.03	10.69	34.73	

Note : DG (dBi) = antenna gain + directionality gain = 12 + 10log (Ntx/Nss = 4/2) = 12 + 3.01 = 15.01 dBi

MIMO Factor: 10*log(8) = 9.03 dB

Worst case EIRP Power Density - Middle Channel / 40MHz+40MHz





Total EIRP Power (dBm) for certificate

Total EIRP Power (dBm) for certificate						
Mode	Frequency (MHz)	DG (dBi)	MIMO Factor	Single port conducted power (dBm)	Total EIRP (dBm)	EIRP Limit (dBm/10MHz)
20MHz+20MHz_Low	3560 + 3580	15.01	9.03	20.30	44.3	<47
20MHz+20MHz_Middle	3615 + 3635	15.01	9.03	22.10	46.1	
20MHz+20MHz_High	3670 + 3690	15.01	9.03	22.00	46.0	
20MHz+40MHz_Low	3560 + 3590	15.01	9.03	20.50	44.5	
20MHz+40MHz_Middle	3605 + 3635	15.01	9.03	22.60	46.6	
20MHz+40MHz_High	3650 + 3680	15.01	9.03	21.50	45.5	
40MHz+20MHz_Low	3570 + 3600	15.01	9.03	21.30	45.3	
40MHz+20MHz_Middle	3615 + 3645	15.01	9.03	21.60	45.6	
40MHz+20MHz_High	3660 + 3690	15.01	9.03	22.00	46.0	
40MHz+40MHz_Low	3570 + 3610	15.01	9.03	22.10	46.1	
40MHz+40MHz_Middle	3605 + 3645	15.01	9.03	22.60	46.6	
40MHz+40MHz_High	3640 + 3680	15.01	9.03	21.20	45.2	

Note :

(1) DG (dBi) = antenna gain + directionality gain = 12 + 10log (Ntx/Nss = 4/2) = 12 + 3.01 = 15.01 dBi

MIMO Factor: 10*log(8) = 9.03 dB

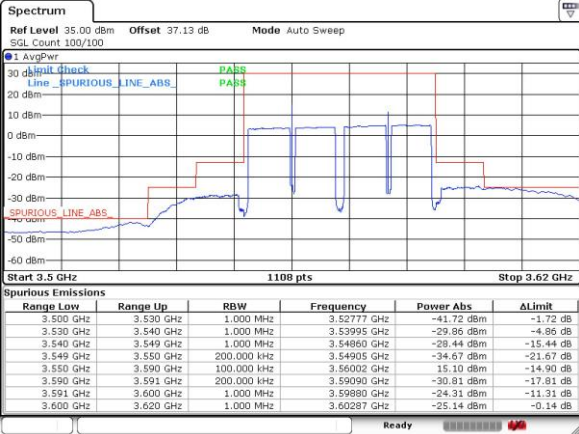
(2) The total channel power is measured and compared to the limit 47dBm/10MHz EIRP.

If the measured total EIRP is less than the 47dBm/10MHz EIRP limit, the device is compliant since the total power is always greater than the partial power.



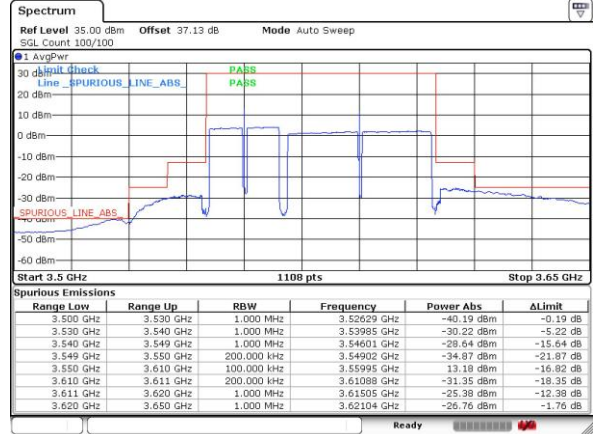
Conducted Band Edge

20MHz+20MHz Low Channel



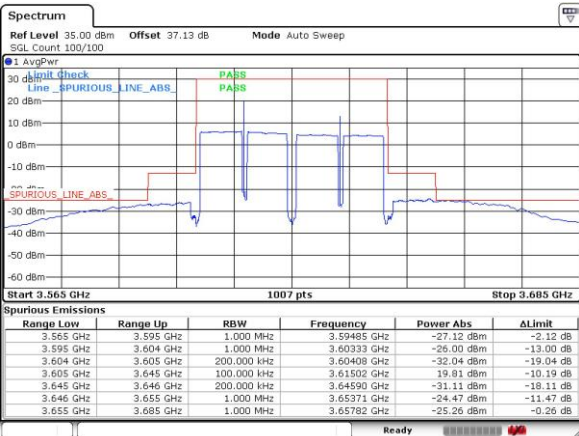
Date: 9 JUL 2021 03:04:51

20MHz+40MHz Low Channel



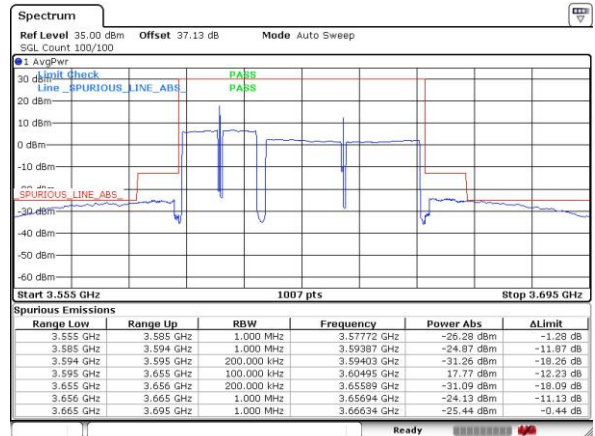
Date: 9 JUL 2021 05:00:16

20MHz+20MHz Middle Channel



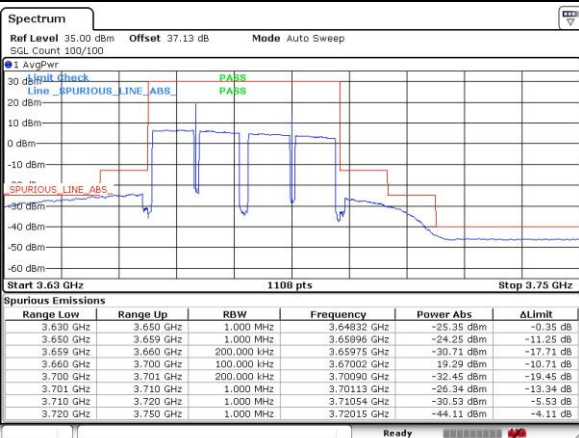
Date: 9 JUL 2021 01:44:20

20MHz+40MHz Middle Channel



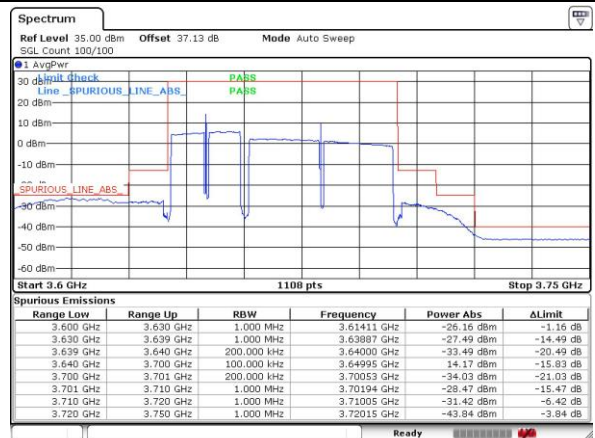
Date: 9 JUL 2021 01:38:08

20MHz+20MHz High Channel



Date: 9 JUL 2021 03:17:22

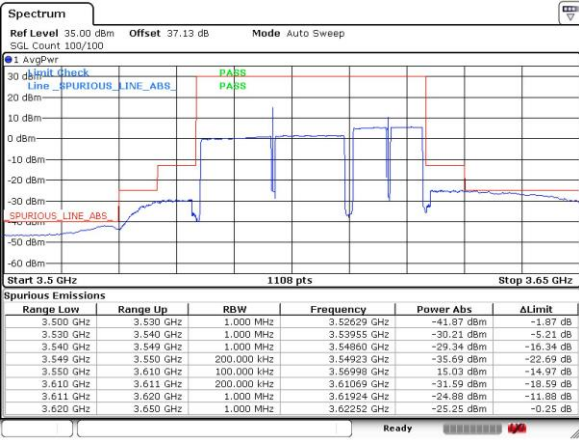
20MHz+40MHz High Channel



Date: 9 JUL 2021 01:28:47

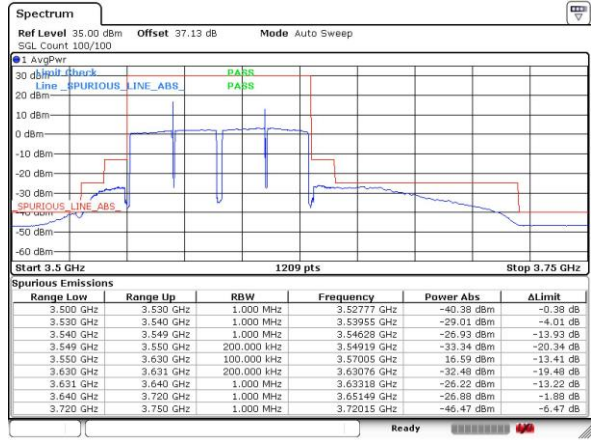


40MHz+20MHz Low Channel



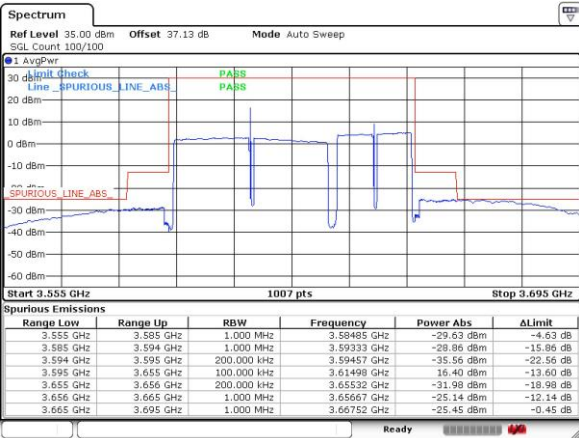
Date: 9 JUL 2021 01:13:35

40MHz+40MHz Low Channel



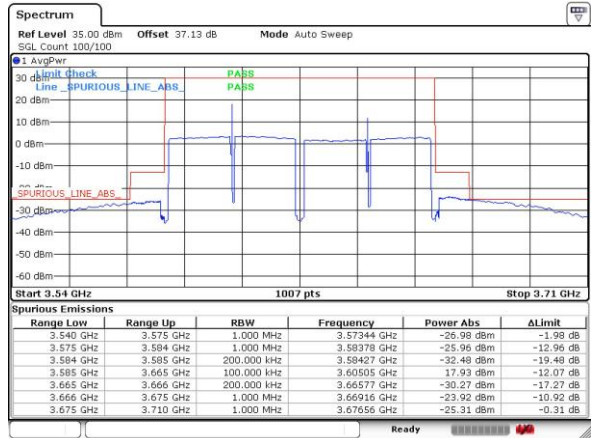
Date: 9 JUL 2021 00:53:57

40MHz+20MHz Middle Channel



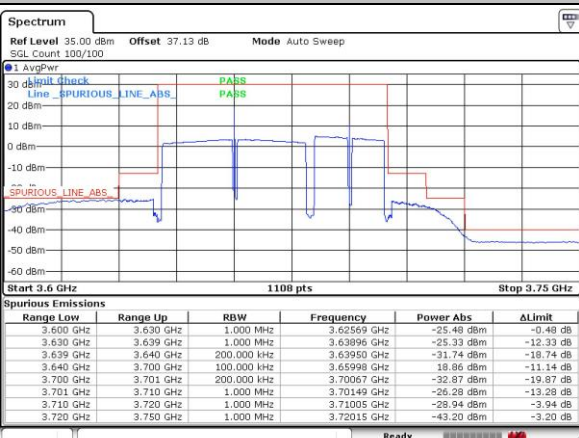
Date: 9 JUL 2021 01:07:19

40MHz+40MHz Middle Channel



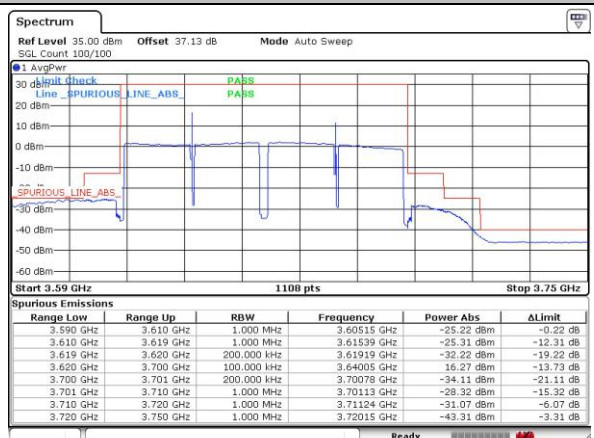
Date: 9 JUL 2021 02:20:42

40MHz+20MHz High Channel



Date: 9 JUL 2021 01:01:11

40MHz+40MHz High Channel

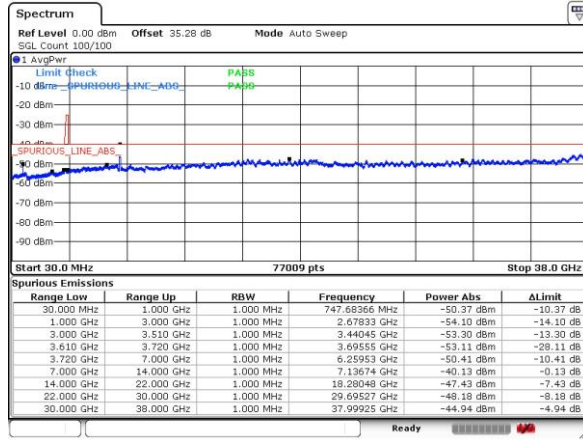


Date: 9 JUL 2021 02:34:20



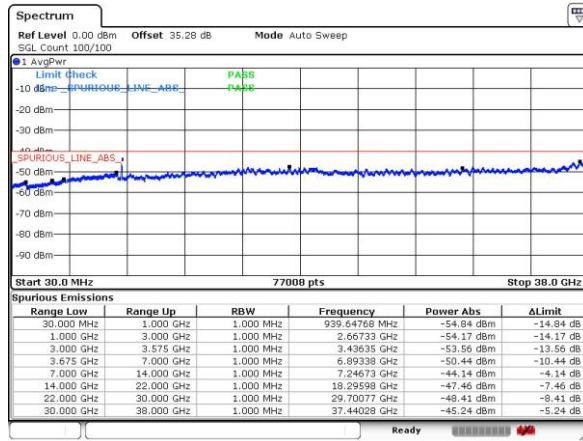
Conducted Spurious Emission

20MHz+20MHz_Low Channel



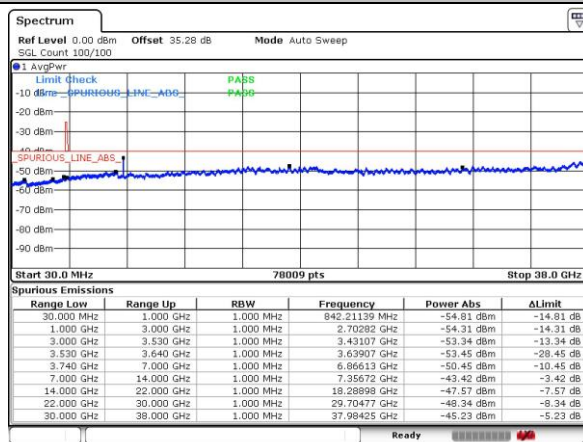
Date: 15 JUL 2021 04:13:31

20MHz+20MHz_Middle Channel



Date: 13 JUL 2021 01:48:03

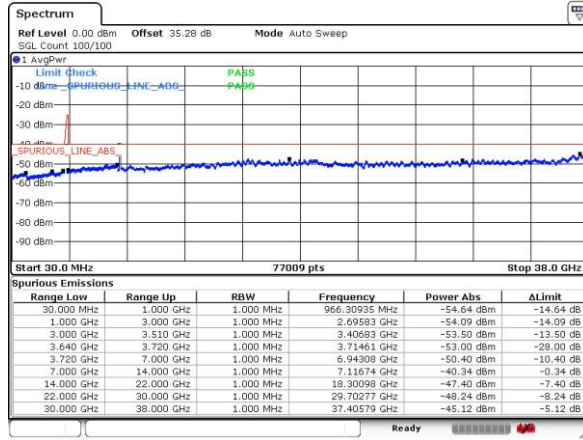
20MHz+20MHz_High Channel



Date: 13 JUL 2021 01:56:28

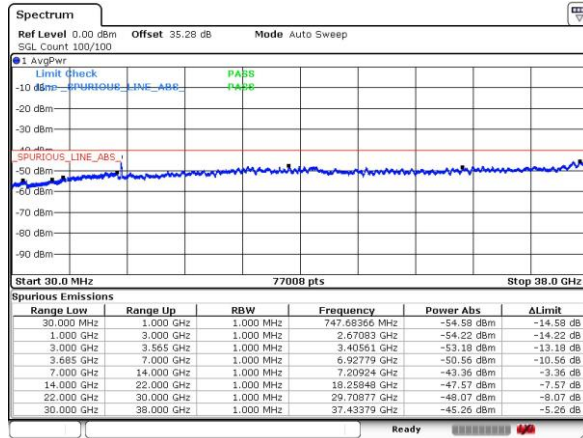


20MHz+40MHz_Low Channel



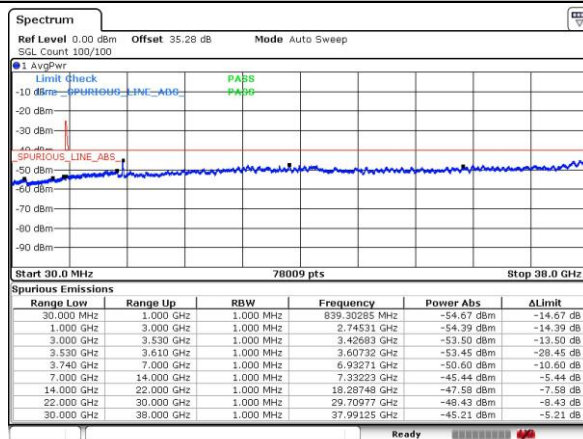
Date: 15 JUL 2021 04:23:59

20MHz+40MHz_Middle Channel



Date: 13 JUL 2021 02:25:17

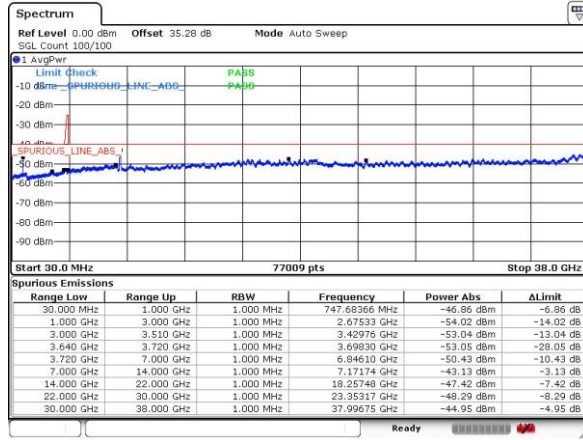
20MHz+40MHz_High Channel



Date: 13 JUL 2021 02:32:04

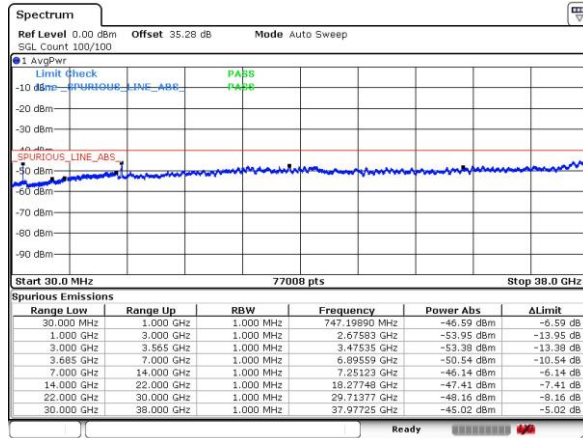


40MHz+20MHz_Low Channel



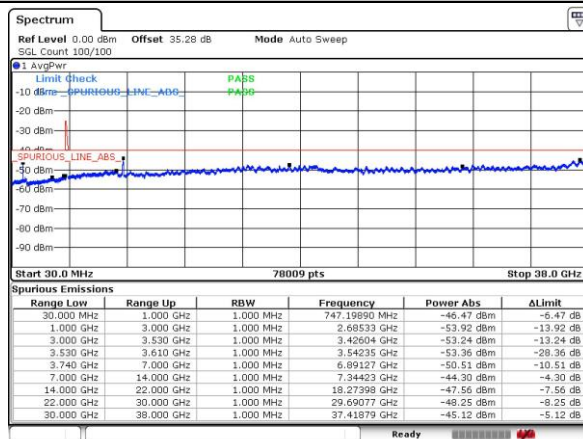
Date: 14 JUL 2021 03:28:31

40MHz+20MHz_Middle Channel



Date: 14 JUL 2021 03:32:09

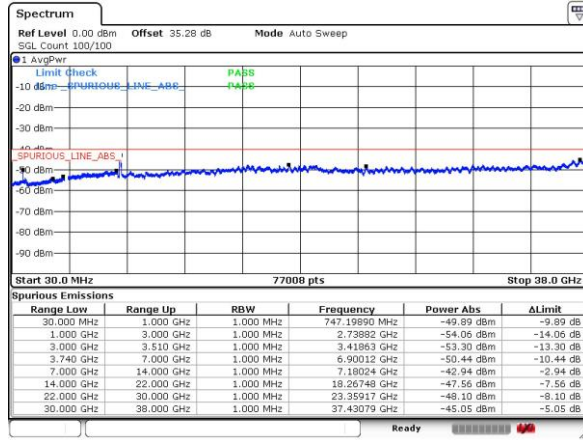
40MHz+20MHz_High Channel



Date: 14 JUL 2021 03:37:16

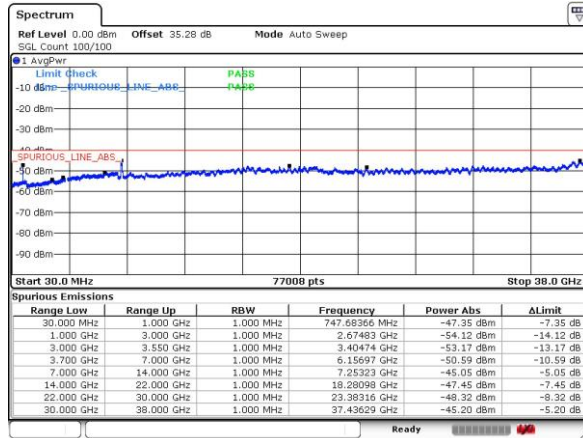


40MHz+40MHz_Low Channel



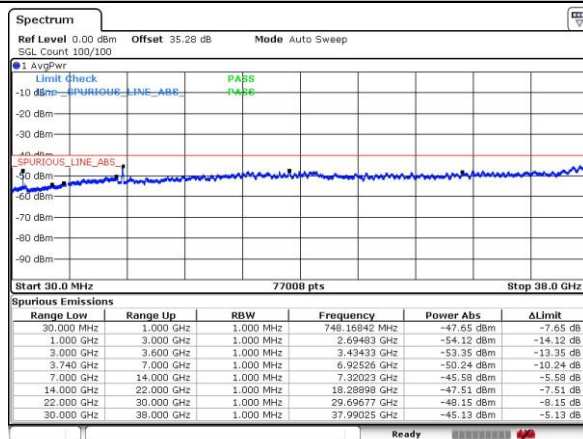
Date: 14 JUL 2021 03:41:55

40MHz+40MHz_Middle Channel



Date: 14 JUL 2021 03:47:56

40MHz+40MHz_High Channel



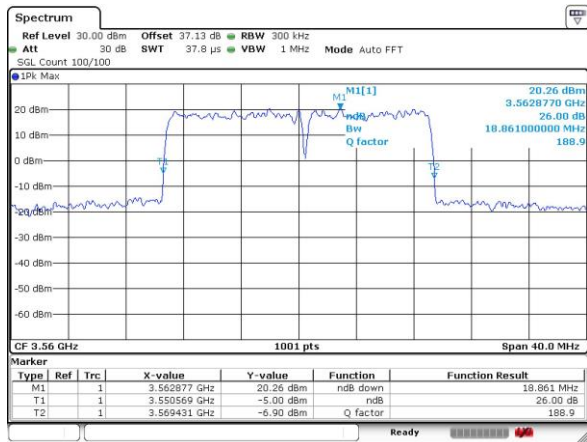
Date: 14 JUL 2021 03:53:16



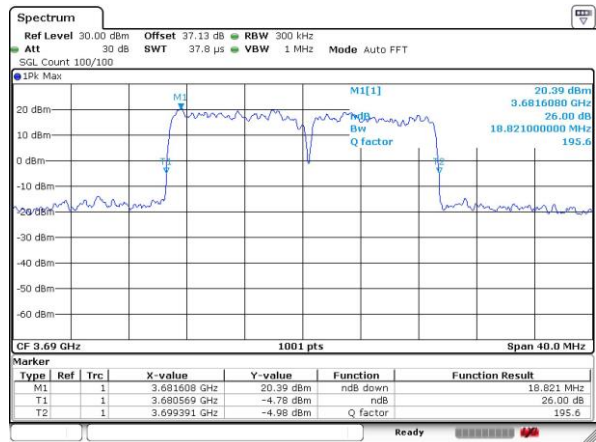
26dB Bandwidth

Mode	26dB BW(MHz)			
Frequency	3560MHz + 3690MHz	3560 MHz+3680 MHz	3570 MHz+3690 MHz	3570 MHz +3680MHz
BW	20MHz+20MHz	20MHz+40MHz	40MHz+20MHz	40MHz+40MHz
Middle CH	37.68	57.06	57.22	76.32

20MHz (Low Channel) +20MHz (High Channel)

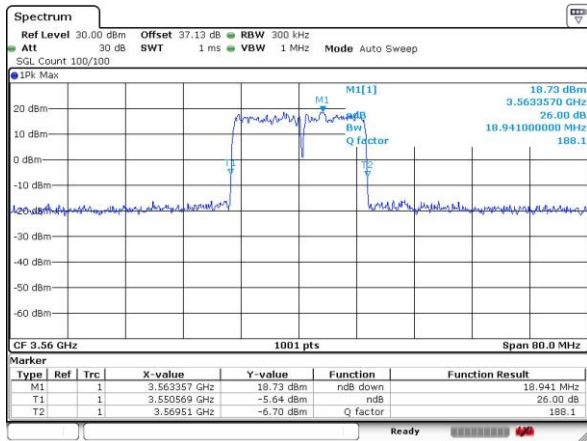


Date: 17.JUL.2021 00:34:42

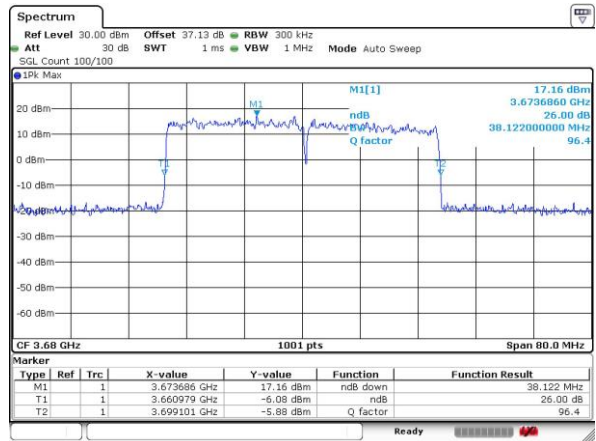


Date: 17.JUL.2021 00:35:32

20MHz (Low Channel) +40MHz (High Channel)



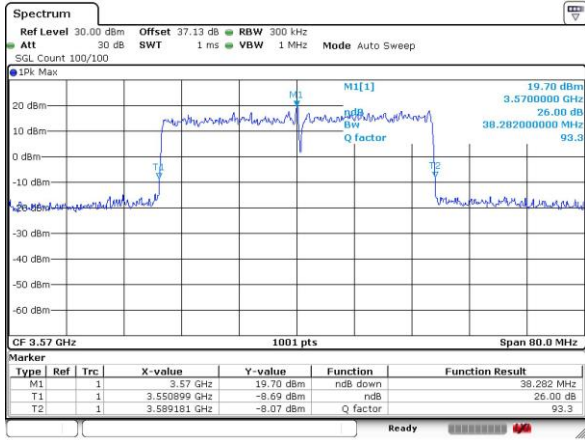
Date: 17.JUL.2021 00:27:51



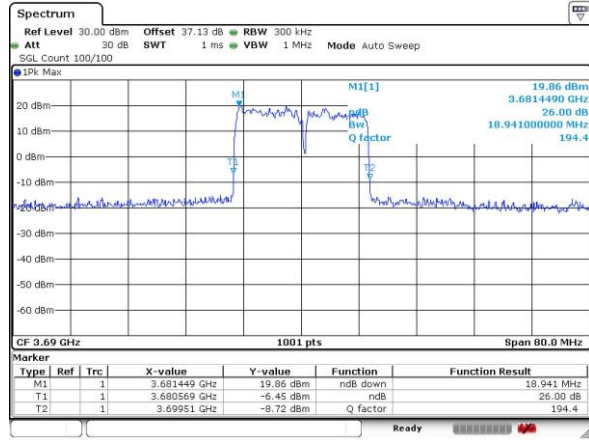
Date: 17.JUL.2021 00:27:17



40MHz (Low Channel) + 20MHz (High Channel)

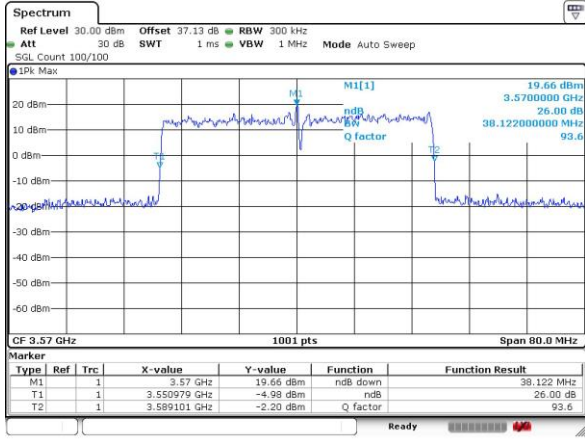


Date: 17 JUL 2021 00:11:25

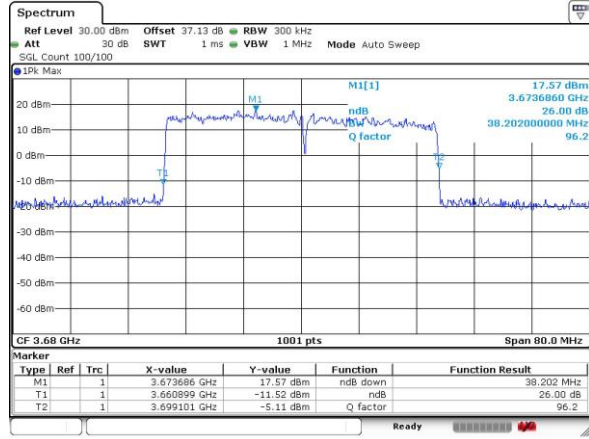


Date: 17 JUL 2021 00:12:17

40MHz (Low Channel) + 40MHz (High Channel)



Date: 17 JUL 2021 00:03:35



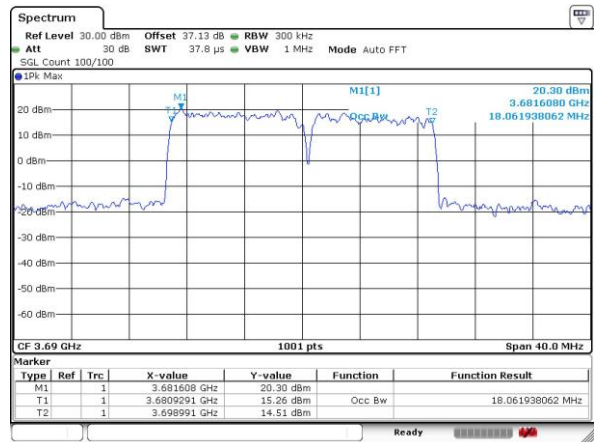
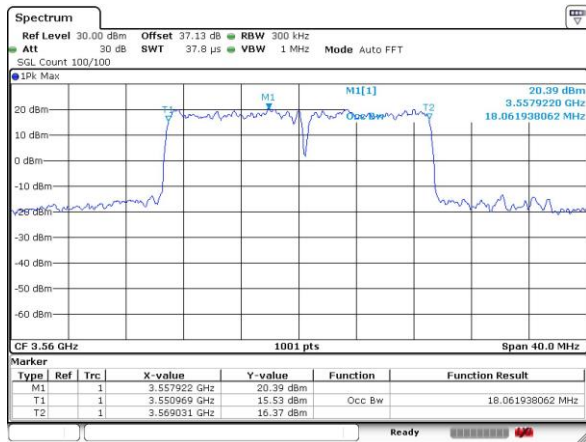
Date: 17 JUL 2021 00:04:30



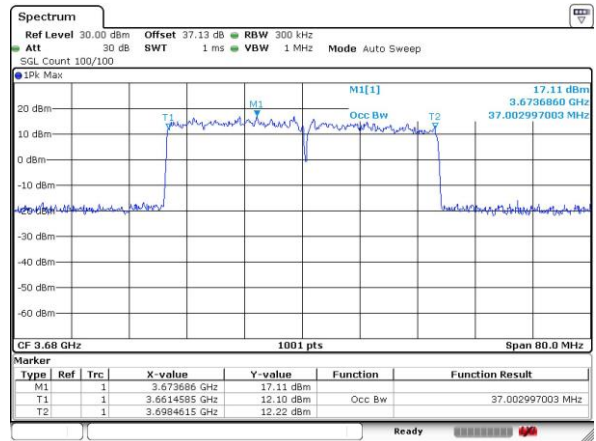
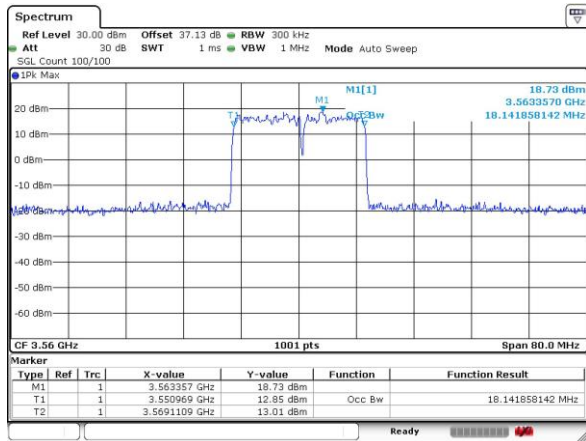
Occupied Bandwidth

Mode	99%OBW(MHz)			
Frequency	3560MHz + 3690MHz	3560 MHz+3680 MHz	3570 MHz+3690 MHz	3570 MH + 3680 MHz
BW	20MHz+20MHz	20MHz+40MHz	40MHz+20MHz	40MHz+40MHz
Middle CH	36.12	55.14	55.22	74.33

20MHz (Low Channel) + 20MHz (High Channel)

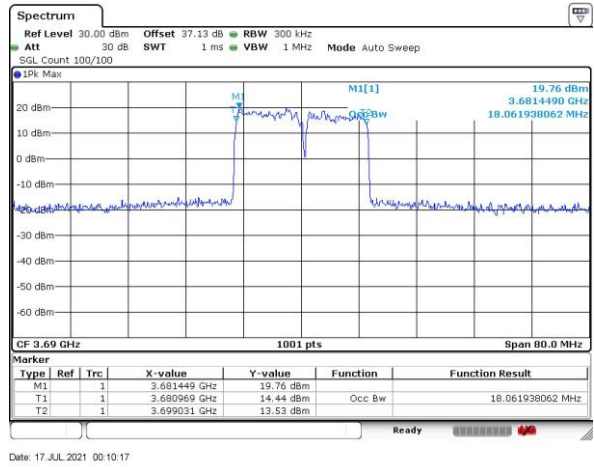
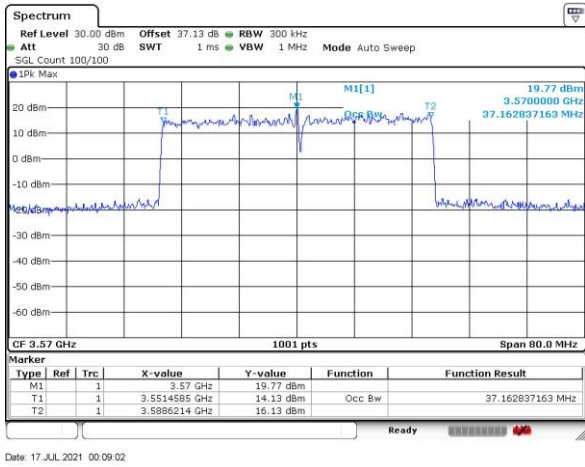


20MHz (Low Channel) + 40MHz (High Channel)

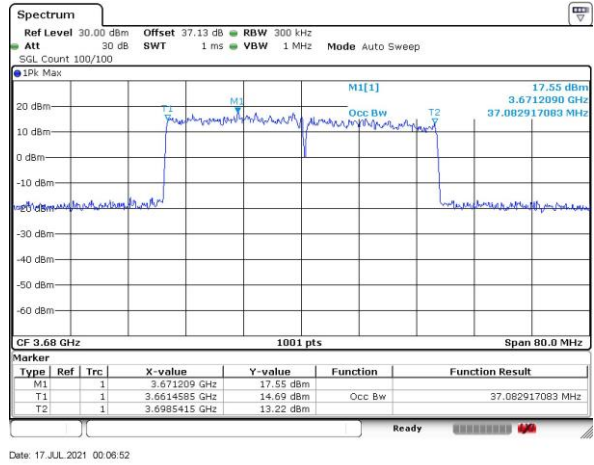
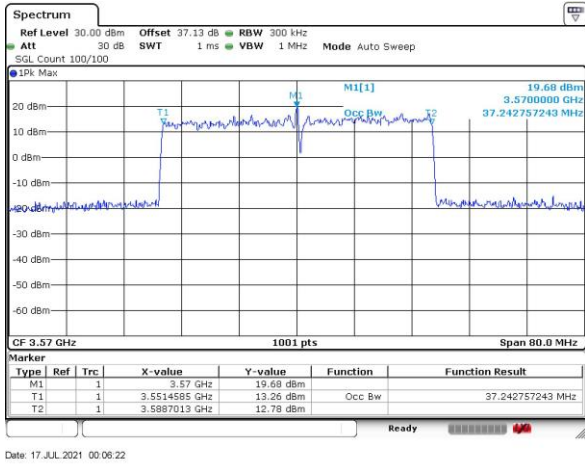




40MHz (Low Channel) + 20MHz (High Channel)



40MHz (Low Channel) + 40MHz (High Channel)





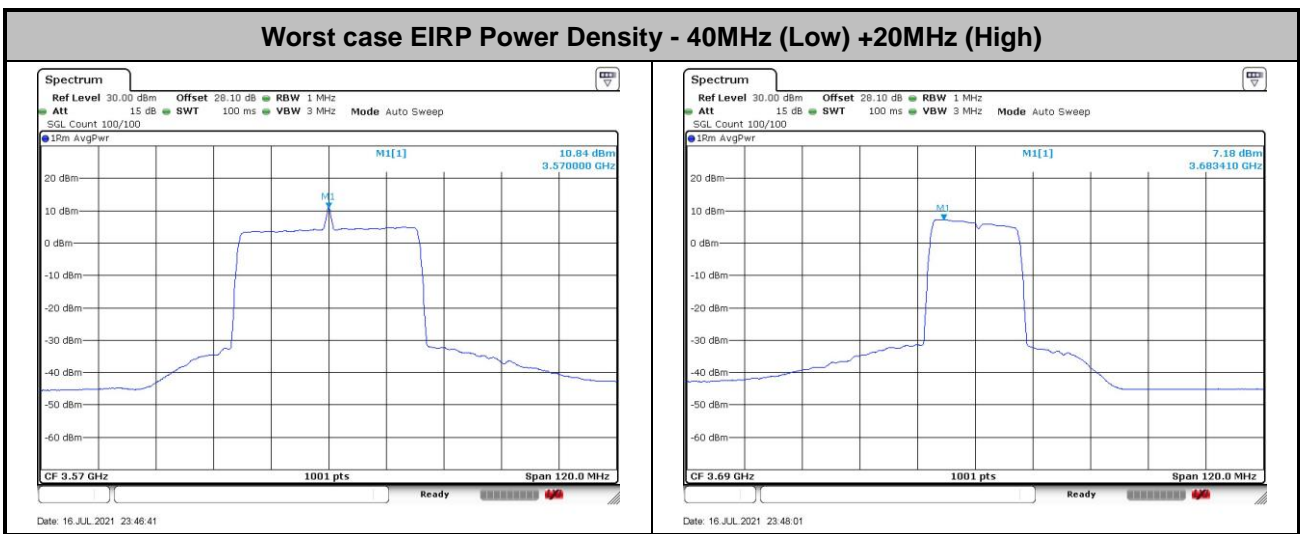
EIRP Power Density

EIRP PSD (dBm/MHz)						
Mode	Frequency (MHz)	DG (dBi)	MIMO Factor	Single port conducted power (dBm/MHz)	Total EIRP (dBm/MHz)	Limit (dBm/MHz)
20MHz (Low) +20MHz (High)	3560 + 3690	15.01	9.03	7.66	31.70	< 37 dBm
20MHz (Low) +40MHz (High)	3560 + 3680	15.01	9.03	7.65	31.69	
40MHz (Low) +20MHz (High)	3570 + 3690	15.01	9.03	10.84	34.88	
40MHz (Low) +40MHz (High)	3570 + 3680	15.01	9.03	10.74	34.78	

Note : DG (dBi) = antenna gain + directionality gain = 12 + 10log (Ntx/Nss = 4/2) = 12 + 3.01 = 15.01 dBi

MIMO Factor: 10*log(8) = 9.03 dB

Worst case EIRP Power Density - 40MHz (Low) +20MHz (High)





Total EIRP Power (dBm) for certificate

Total EIRP Power (dBm) for certificate						
Mode	Frequency (MHz)	DG (dBi)	MIMO Factor	Single port conducted power (dBm)	Total EIRP (dBm)	EIRP Limit (dBm/10MHz)
20MHz (Low) +20MHz (High)	3560 + 3690	15.01	9.03	19.80	43.8	< 47
20MHz (Low) +40MHz (High)	3560 + 3680	15.01	9.03	20.20	44.2	
40MHz (Low) +20MHz (High)	3570 + 3690	15.01	9.03	22.40	46.4	
40MHz (Low) +40MHz (High)	3570 + 3680	15.01	9.03	22.10	46.1	

Note :

(1) $DG (dBi) = \text{antenna gain} + \text{directionality gain} = 12 + 10\log(Ntx/Nss = 4/2) = 12 + 3.01 = 15.01 \text{ dBi}$

MIMO Factor: $10*\log(8) = 9.03 \text{ dB}$

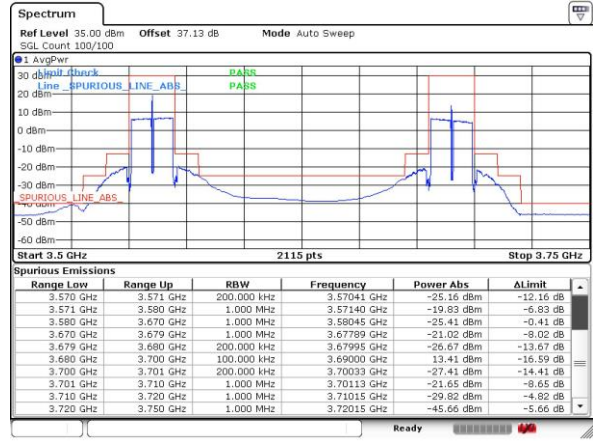
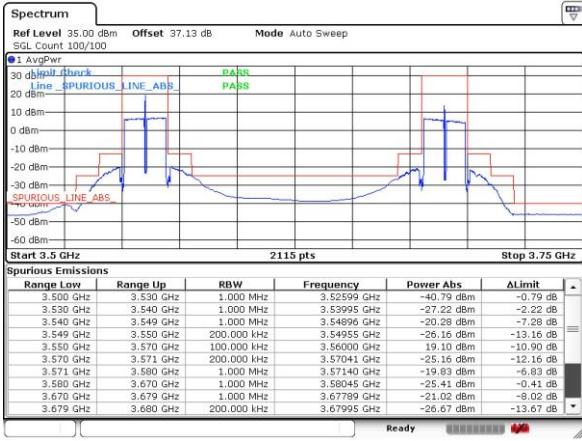
(2) The total channel power is measured and compared to the limit 47dBm/10MHz EIRP.

If the measured total EIRP is less than the 47dBm/10MHz EIRP limit, the device is compliant since the total power is always greater than the partial power.

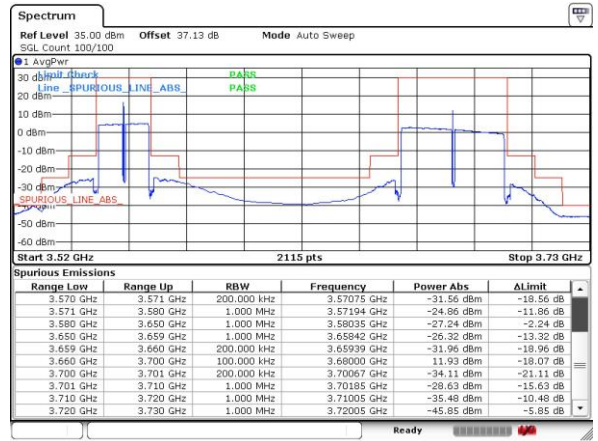
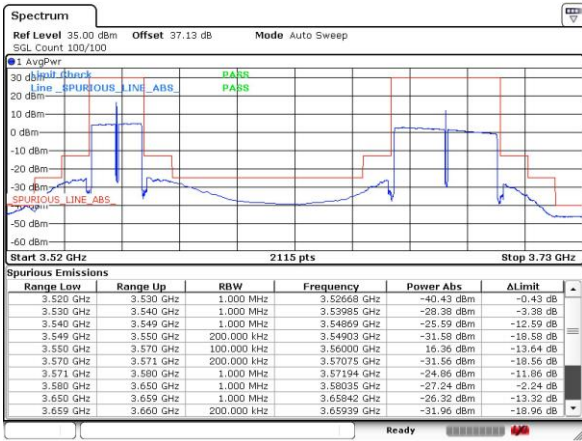


Conducted Band Edge

20MHz (Low Channel) + 20MHz (High Channel)

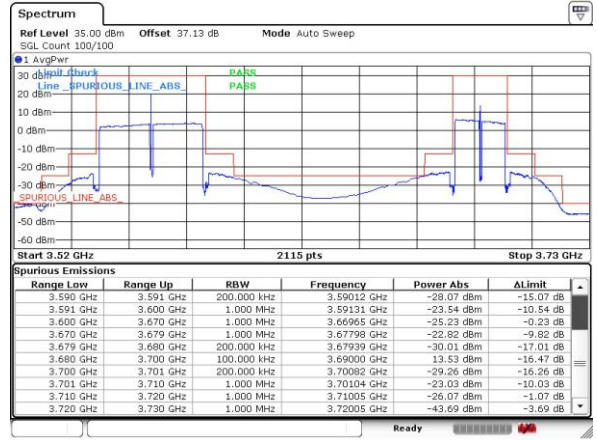
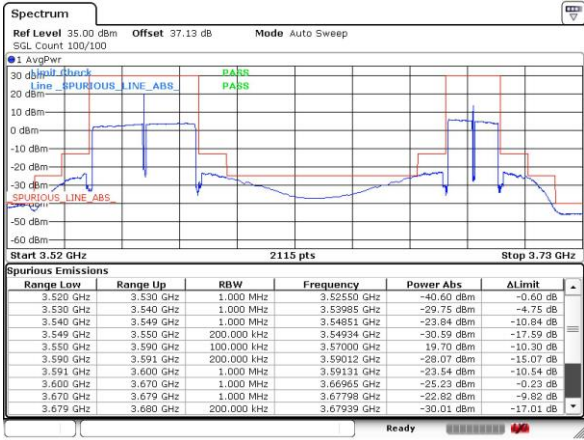


20MHz (Low Channel) + 40MHz (High Channel)

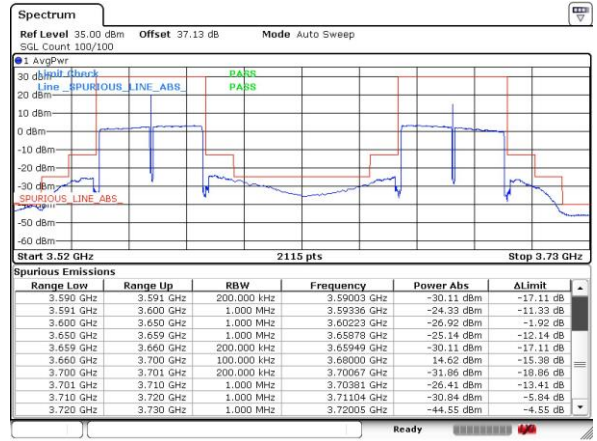
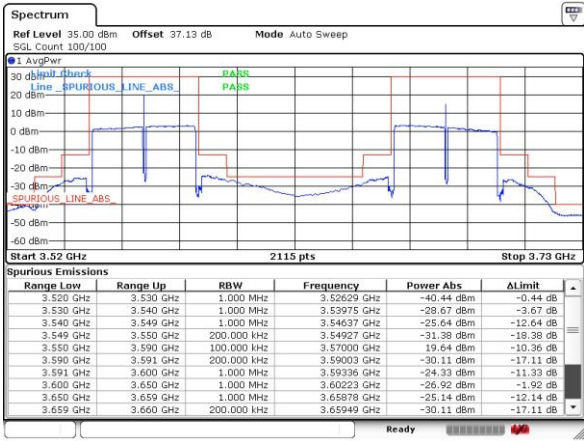




40MHz (Low Channel) + 20MHz (High Channel)



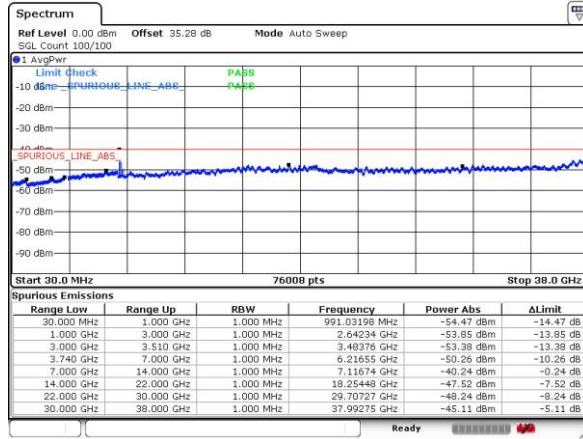
40MHz (Low Channel) + 40MHz (High Channel)





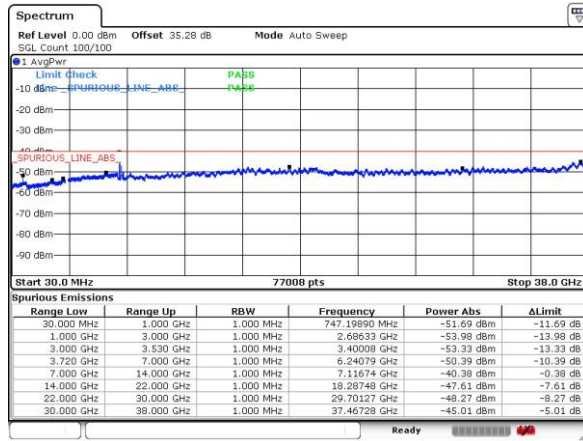
Conducted Spurious Emission

20MHz (Low Channel) + 20MHz (High Channel)



Date: 15 JUL 2021 04:31:04

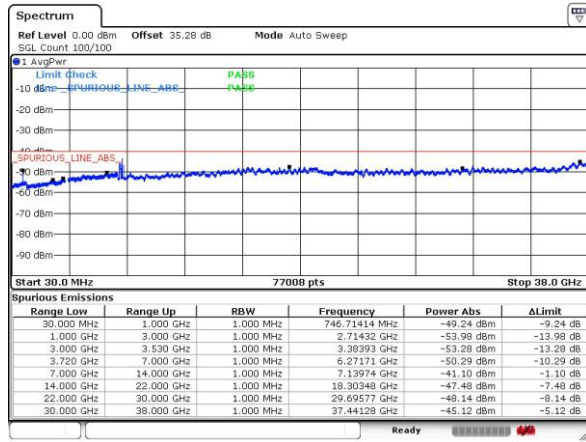
20MHz (Low Channel) + 40MHz (High Channel)



Date: 15 JUL 2021 04:38:19

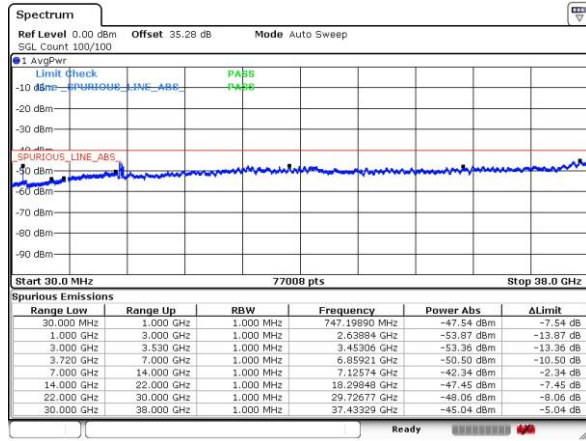


40MHz (Low Channel) + 20MHz (High Channel)



Date: 14.JUL.2021 05:41:41

40MHz (Low Channel) + 40MHz (High Channel)



Date: 14.JUL.2021 05:46:55



Appendix B. Test Results of Radiated Test

<Single Carrier>

3555MHz / 10MHz Low Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
10MHz Low Channel	7110	-42.46	-40	-2.46	-39.13	-52.55	1.15	11.24	H
	10665	-51.04	-40	-11.04	-49.89	-60.44	1.39	10.79	H
	14220	-47.10	-40	-7.10	-49.35	-57.06	1.52	11.48	H
	7110	-42.78	-40	-2.78	-40.14	-52.84	1.15	11.21	V
	10665	-51.79	-40	-11.79	-50.53	-61.24	1.39	10.84	V
	14220	-45.46	-40	-5.46	-48.49	-55.55	1.52	11.61	V

3560MHz / 20MHz Low Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
20MHz Low Channel	7120	-42.68	-40	-2.68	-39.42	-52.76	1.15	11.22	H
	10680	-50.31	-40	-10.31	-49.18	-59.70	1.39	10.78	H
	14240	-47.79	-40	-7.79	-50.13	-57.75	1.52	11.48	H
	7120	-44.21	-40	-4.21	-41.71	-54.25	1.15	11.18	V
	10680	-51.00	-40	-11.00	-49.76	-60.46	1.39	10.85	V
	14240	-46.41	-40	-6.41	-49.61	-56.48	1.52	11.59	V



3565MHz / 30MHz Low Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
30MHz Low Channel	7130	-43.92	-40	-3.92	-40.74	-53.98	1.14	11.20	H
	10695	-51.56	-40	-11.56	-50.45	-60.94	1.38	10.77	H
	14260	-48.47	-40	-8.47	-50.84	-58.39	1.52	11.44	H
	7130	-44.68	-40	-4.68	-42.3	-54.69	1.14	11.15	V
	10695	-52.00	-40	-12.00	-50.78	-61.47	1.38	10.86	V
	14260	-46.61	-40	-6.61	-49.91	-56.63	1.52	11.54	V

3570MHz / 40MHz Low Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
40MHz Low Channel	7140	-44.10	-40	-4.10	-41	-54.14	1.14	11.18	H
	10710	-51.42	-40	-11.42	-50.33	-60.80	1.38	10.76	H
	14280	-47.24	-40	-7.24	-49.61	-57.10	1.52	11.38	H
	7140	-45.80	-40	-5.80	-43.54	-55.78	1.14	11.12	V
	10710	-50.97	-40	-10.97	-49.78	-60.44	1.38	10.85	V
	14280	-45.13	-40	-5.13	-48.49	-55.08	1.52	11.47	V



3625MHz / 10MHz Middle Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
10M Middle Channel	7250	-48.18	-40	-8.18	-44.8	-58.10	1.18	11.10	H
	10875	-51.12	-40	-11.12	-50.45	-60.28	1.37	10.53	H
	14500	-49.92	-40	-9.92	-51.49	-59.47	1.55	11.09	H
	7250	-49.37	-40	-9.37	-46.92	-59.49	1.18	11.29	V
	10875	-50.88	-40	-10.88	-50.18	-60.10	1.37	10.59	V
	14500	-46.53	-40	-6.53	-49.86	-56.15	1.55	11.17	V

3625MHz / 20MHz Middle Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
20M Middle Channel	7250	-49.12	-40	-9.12	-45.74	-59.04	1.18	11.10	H
	10875	-50.30	-40	-10.30	-51.87	-59.46	1.37	10.53	H
	14500	-48.73	-40	-8.73	-52.63	-58.28	1.55	11.09	H
	7250	-49.77	-40	-9.77	-47.32	-59.89	1.18	11.29	V
	10875	-52.02	-40	-12.02	-51.32	-61.24	1.37	10.59	V
	14500	-46.50	-40	-6.50	-49.83	-56.12	1.55	11.17	V



3625MHz / 30MHz Middle Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
30M Middle Channel	7250	-48.93	-40	-8.93	-45.55	-58.85	1.18	11.10	H
	10875	-51.51	-40	-11.51	-50.84	-60.67	1.37	10.53	H
	14500	-49.26	-40	-9.26	-50.83	-58.81	1.55	11.09	H
	7250	-49.33	-40	-9.33	-46.88	-59.45	1.18	11.29	V
	10875	-50.80	-40	-10.80	-50.1	-60.02	1.37	10.59	V
	14500	-46.08	-40	-6.08	-49.41	-55.70	1.55	11.17	V

3625MHz / 40MHz Middle Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
40M Middle Channel	7250	-49.15	-40	-9.15	-45.77	-59.07	1.18	11.10	H
	10875	-52.16	-40	-12.16	-51.49	-61.32	1.37	10.53	H
	14500	-49.91	-40	-9.91	-51.48	-59.46	1.55	11.09	H
	7250	-49.56	-40	-9.56	-47.11	-59.68	1.18	11.29	V
	10875	-51.44	-40	-11.44	-50.74	-60.66	1.37	10.59	V
	14500	-46.70	-40	-6.70	-50.03	-56.32	1.55	11.17	V



3695MHz / 10MHz High Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
10M High Channel	7390	-42.98	-40	-2.98	-38.52	-52.70	1.29	11.01	H
	11085	-51.08	-40	-11.08	-50.91	-60.46	1.40	10.79	H
	14780	-46.77	-40	-6.77	-49.5	-56.52	1.62	11.38	H
	7390	-44.96	-40	-4.96	-40.85	-54.67	1.29	11.00	V
	11085	-50.30	-40	-10.30	-50.22	-59.73	1.40	10.83	V
	14780	-45.30	-40	-5.30	-50.16	-54.99	1.62	11.31	V

3690MHz / 20MHz High Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
20M High Channel	7380	-43.06	-40	-3.06	-38.61	-52.79	1.28	11.02	H
	11070	-50.41	-40	-10.41	-50.24	-59.75	1.40	10.74	H
	14760	-47.37	-40	-7.37	-50.13	-57.05	1.62	11.30	H
	7380	-45.77	-40	-5.77	-41.71	-55.47	1.28	10.98	V
	11070	-51.64	-40	-11.64	-51.55	-61.01	1.40	10.76	V
	14760	-47.01	-40	-7.01	-51.88	-56.64	1.62	11.25	V



3685MHz / 30MHz High Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
30M High Channel	7370	-42.22	-40	-2.22	-37.79	-51.97	1.28	11.02	H
	11055	-51.12	-40	-11.12	-50.96	-60.42	1.39	10.69	H
	14740	-49.19	-40	-9.19	-51.97	-58.82	1.61	11.24	H
	7370	-46.36	-40	-6.36	-42.36	-56.05	1.28	10.96	V
	11055	-50.99	-40	-10.99	-50.9	-60.30	1.39	10.69	V
	14740	-46.63	-40	-6.63	-51.49	-56.22	1.61	11.20	V

3680MHz / 40MHz High Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
40M High Channel	7360	-40.92	-40	-0.92	-36.5	-50.68	1.27	11.03	H
	11040	-50.64	-40	-10.64	-50.47	-59.92	1.38	10.66	H
	14720	-48.91	-40	-8.91	-51.67	-58.50	1.61	11.20	H
	7360	-45.33	-40	-5.33	-41.38	-55.01	1.27	10.94	V
	11040	-50.91	-40	-10.91	-50.8	-60.17	1.38	10.64	V
	14720	-46.88	-40	-6.88	-51.69	-56.45	1.61	11.17	V



<Multi Carrier (Contiguous)>

3560MHz + 3580MHz / 20MHz + 20MHz Low Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
20MHz + 20MHz Low Channel	7120	-42.29	-40	-2.29	-39.03	-52.37	1.15	11.22	H
	7160	-43.61	-40	-3.61	-40.58	-53.61	1.14	11.14	H
	10680	-51.81	-40	-11.81	-50.68	-61.20	1.39	10.78	H
	10740	-51.88	-40	-11.88	-50.8	-61.25	1.38	10.76	H
	14240	-46.34	-40	-6.34	-48.68	-56.30	1.52	11.48	H
	14320	-48.48	-40	-8.48	-50.79	-58.26	1.53	11.31	H
	7120	-43.62	-40	-3.62	-41.11	-53.66	1.15	11.18	V
	7160	-44.91	-40	-4.91	-42.82	-54.88	1.14	11.11	V
	10680	-51.83	-40	-11.83	-50.59	-61.29	1.39	10.85	V
	10740	-51.82	-40	-11.82	-50.66	-61.28	1.38	10.84	V
	14240	-47.65	-40	-7.65	-50.85	-57.72	1.52	11.59	V
	14320	-45.25	-40	-5.25	-48.7	-55.05	1.53	11.33	V



3560MHz+ 3590MHz / 20MHz+40MHz Low Channel										
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
20MHz + 40MHz Low Channel	7120	-43.58	-40	-3.58	-40.32	-53.66	1.15	11.22	H	
	7180	-48.37	-40	-8.37	-45.35	-58.34	1.14	11.11	H	
	10680	-51.88	-40	-11.88	-50.75	-61.27	1.39	10.78	H	
	10770	-51.91	-40	-11.91	-50.88	-61.26	1.38	10.73	H	
	14240	-47.37	-40	-7.37	-49.71	-57.33	1.52	11.48	H	
	14360	-50.75	-40	-10.75	-52.94	-60.49	1.53	11.27	H	
	7120	-43.65	-40	-3.65	-41.14	-53.69	1.15	11.18	V	
	7180	-47.07	-40	-7.07	-45.09	-57.09	1.14	11.15	V	
	10680	-52.25	-40	-12.25	-51.01	-61.71	1.39	10.85	V	
	10770	-52.35	-40	-12.35	-51.25	-61.77	1.38	10.80	V	
	14240	-46.38	-40	-6.38	-49.58	-56.45	1.52	11.59	V	
	14360	-47.05	-40	-7.05	-50.51	-56.75	1.53	11.23	V	

3570MHz + 3600MHz / 40MHz+20MHz Low Channel										
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
40MHz + 20MHz Low Channel	7140	-41.26	-40	-1.26	-42.26	-51.30	1.14	11.18	H	
	7200	-46.59	-40	-6.59	-47.59	-56.54	1.14	11.08	H	
	10710	-49.12	-40	-9.12	-50.12	-58.50	1.38	10.76	H	
	10800	-50.78	-40	-10.78	-51.78	-60.09	1.38	10.69	H	
	14280	-49.99	-40	-9.99	-50.99	-59.85	1.52	11.38	H	
	14400	-52.05	-40	-12.05	-53.05	-61.74	1.54	11.23	H	
	7140	-43.72	-40	-3.72	-44.72	-53.70	1.14	11.12	V	
	7200	-45.23	-40	-5.23	-46.23	-55.29	1.14	11.19	V	
	10710	-48.92	-40	-8.92	-49.92	-58.39	1.38	10.85	V	
	10800	-49.76	-40	-9.76	-50.76	-59.12	1.38	10.74	V	
	14280	-49.20	-40	-9.20	-50.2	-59.15	1.52	11.47	V	
	14400	-50.31	-40	-10.31	-51.31	-60.00	1.54	11.23	V	



3570MHz + 3610MHz / 40MHz+40MHz Low Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
40MHz + 40MHz Low Channel	7140	-44.88	-40	-4.88	-41.78	-54.92	1.14	11.18	H
	7220	-48.34	-40	-8.34	-45.17	-58.28	1.15	11.09	H
	10710	-51.80	-40	-11.80	-50.71	-61.18	1.38	10.76	H
	10830	-51.73	-40	-11.73	-50.86	-60.99	1.37	10.64	H
	14280	-47.42	-40	-7.42	-49.79	-57.28	1.52	11.38	H
	14440	-50.51	-40	-10.51	-52.27	-60.15	1.54	11.18	H
	7140	-46.29	-40	-6.29	-44.03	-56.27	1.14	11.12	V
	7220	-47.07	-40	-7.07	-44.95	-57.15	1.15	11.23	V
	10710	-52.04	-40	-12.04	-50.85	-61.51	1.38	10.85	V
	10830	-51.71	-40	-11.71	-50.8	-61.01	1.37	10.67	V
	14280	-46.02	-40	-6.02	-49.38	-55.97	1.52	11.47	V
	14440	-48.57	-40	-8.57	-51.88	-58.27	1.54	11.24	V



3615MHz + 3635MHz / 20MHz+20MHz Middle Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
20MHz + 20MHz Middle Channel	7230	-47.87	-40	-7.87	-44.63	-57.80	1.16	11.09	H
	7270	-50.86	-40	-10.86	-47.26	-60.75	1.19	11.08	H
	10845	-51.53	-40	-11.53	-50.72	-60.77	1.37	10.61	H
	10905	-51.36	-40	-11.36	-50.81	-60.45	1.37	10.46	H
	14460	-49.43	-40	-9.43	-51.1	-59.04	1.54	11.15	H
	14540	-47.11	-40	-7.11	-48.82	-56.72	1.56	11.16	H
	7230	-50.71	-40	-10.71	-48.48	-60.80	1.16	11.25	V
	7270	-49.84	-40	-9.84	-47.08	-59.84	1.19	11.20	V
	10845	-51.98	-40	-11.98	-51.13	-61.25	1.37	10.64	V
	10905	-51.81	-40	-11.81	-51.25	-60.99	1.37	10.54	V
	14460	-45.40	-40	-5.40	-48.7	-55.09	1.54	11.23	V
	14540	-45.34	-40	-5.34	-48.87	-54.94	1.56	11.16	V



3605MHz + 3635MHz / 20MHz+40MHz Middle Channel										
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
20MHz + 40MHz Middle Channel	7210	-48.30	-40	-8.30	-45.2	-58.24	1.14	11.08	H	
	7270	-51.11	-40	-11.11	-47.51	-61.00	1.19	11.08	H	
	10815	-52.05	-40	-12.05	-51.13	-61.34	1.37	10.66	H	
	10905	-51.39	-40	-11.39	-50.84	-60.48	1.37	10.46	H	
	14420	-48.38	-40	-8.38	-50.23	-58.05	1.54	11.20	H	
	14540	-46.71	-40	-6.71	-48.42	-56.32	1.56	11.16	H	
	7210	-48.06	-40	-8.06	-46.06	-58.13	1.14	11.21	V	
	7270	-50.67	-40	-10.67	-47.91	-60.67	1.19	11.20	V	
	10815	-52.31	-40	-12.31	-51.34	-61.64	1.37	10.70	V	
	10905	-51.88	-40	-11.88	-51.32	-61.06	1.37	10.54	V	
	14420	-48.14	-40	-8.14	-51.47	-57.84	1.54	11.23	V	
	14540	-45.40	-40	-5.40	-48.93	-55.00	1.56	11.16	V	

3615MHz + 3645MHz / 40MHz+20MHz Middle Channel										
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
40MHz + 20MHz Middle Channel	7230	-48.57	-40	-8.57	-45.33	-58.50	1.16	11.09	H	
	7290	-48.56	-40	-8.56	-44.74	-58.42	1.21	11.07	H	
	10845	-51.27	-40	-11.27	-50.46	-60.51	1.37	10.61	H	
	10935	-51.79	-40	-11.79	-51.36	-60.86	1.37	10.44	H	
	14460	-50.12	-40	-10.12	-51.79	-59.73	1.54	11.15	H	
	14580	-47.76	-40	-7.76	-49.7	-57.32	1.57	11.13	H	
	7230	-50.27	-40	-10.27	-48.2	-60.36	1.16	11.25	V	
	7290	-50.67	-40	-10.67	-47.64	-60.56	1.21	11.10	V	
	10845	-51.61	-40	-11.61	-50.79	-60.88	1.37	10.64	V	
	10935	-52.40	-40	-12.40	-52.03	-61.53	1.37	10.50	V	
	14460	-47.20	-40	-7.20	-50.58	-56.89	1.54	11.23	V	
	14580	-44.75	-40	-4.75	-48.56	-54.31	1.57	11.13	V	



3605MHz + 3645MHz/ 40MHz+40MHz Middle Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
40MHz + 40MHz Middle Channel	7210	-49.29	-40	-9.29	-46.19	-59.23	1.14	11.08	H
	7290	-48.11	-40	-8.11	-44.29	-57.97	1.21	11.07	H
	10815	-52.10	-40	-12.10	-51.18	-61.39	1.37	10.66	H
	10935	-51.97	-40	-11.97	-51.54	-61.04	1.37	10.44	H
	14420	-50.92	-40	-10.92	-52.77	-60.59	1.54	11.20	H
	14580	-48.14	-40	-8.14	-50.08	-57.70	1.57	11.13	H
	7210	-47.82	-40	-7.82	-45.95	-57.89	1.14	11.21	V
	7290	-50.43	-40	-10.43	-47.4	-60.32	1.21	11.10	V
	10815	-51.74	-40	-11.74	-50.81	-61.07	1.37	10.70	V
	10935	-51.43	-40	-11.43	-51.06	-60.56	1.37	10.50	V
	14420	-48.61	-40	-8.61	-51.97	-58.31	1.54	11.23	V
	14580	-44.91	-40	-4.91	-48.72	-54.47	1.57	11.13	V



3670MHz + 3690MHz / 20MHz+20MHz High Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
20MHz + 20MHz High Channel	7340	-41.05	-40	-1.05	-36.73	-50.84	1.25	11.04	H
	7380	-45.58	-40	-5.58	-41.13	-55.31	1.28	11.02	H
	11010	-51.52	-40	-11.52	-51.3	-60.75	1.37	10.60	H
	11070	-50.56	-40	-10.56	-50.39	-59.90	1.40	10.74	H
	14680	-47.81	-40	-7.81	-50.44	-57.31	1.60	11.10	H
	14760	-50.33	-40	-10.33	-53.09	-60.01	1.62	11.30	H
	7340	-44.73	-40	-4.73	-40.97	-54.43	1.25	10.95	V
	7380	-43.17	-40	-3.17	-39.11	-52.87	1.28	10.98	V
	11010	-51.27	-40	-11.27	-51.09	-60.47	1.37	10.56	V
	11070	-51.28	-40	-11.28	-51.19	-60.65	1.40	10.76	V
	14680	-46.64	-40	-6.64	-51.28	-56.17	1.60	11.12	V
	14760	-47.50	-40	-7.50	-52.37	-57.13	1.62	11.25	V



3650MHz+ 3680MHz / 20MHz+40MHz High Channel										
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
20MHz + 40MHz High Channel	7300	-44.83	-40	-4.83	-40.89	-54.67	1.22	11.06	H	
	7360	-47.44	-40	-7.44	-43.02	-57.20	1.27	11.03	H	
	10950	-50.60	-40	-10.60	-50.23	-59.66	1.36	10.43	H	
	11040	-50.27	-40	-10.27	-50.1	-59.55	1.38	10.66	H	
	14600	-47.72	-40	-7.72	-49.82	-57.25	1.57	11.10	H	
	14720	-49.88	-40	-9.88	-52.64	-59.47	1.61	11.20	H	
	7300	-43.58	-40	-3.58	-40.36	-53.41	1.22	11.05	V	
	7360	-46.02	-40	-6.02	-42.07	-55.70	1.27	10.94	V	
	10950	-50.84	-40	-10.84	-50.47	-59.95	1.36	10.48	V	
	11040	-51.06	-40	-11.06	-50.95	-60.32	1.38	10.64	V	
	14600	-48.11	-40	-8.11	-52.11	-57.65	1.57	11.11	V	
	14720	-44.62	-40	-4.62	-49.43	-54.19	1.61	11.17	V	

3660MHz + 3690MHz / 40MHz+20MHz High Channel										
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
40MHz + 20MHz High Channel	7320	-42.84	-40	-2.84	-38.71	-52.66	1.23	11.05	H	
	7380	-45.73	-40	-5.73	-41.28	-55.46	1.28	11.02	H	
	10980	-50.44	-40	-10.44	-50.14	-59.60	1.36	10.52	H	
	11070	-50.76	-40	-10.76	-50.59	-60.10	1.40	10.74	H	
	14640	-47.00	-40	-7.00	-49.36	-56.44	1.58	11.02	H	
	14760	-49.61	-40	-9.61	-52.37	-59.29	1.62	11.30	H	
	7320	-43.30	-40	-3.30	-39.81	-53.06	1.23	11.00	V	
	7380	-43.81	-40	-3.81	-39.75	-53.51	1.28	10.98	V	
	10980	-50.37	-40	-10.37	-50.09	-59.52	1.36	10.51	V	
	11070	-50.73	-40	-10.73	-50.64	-60.10	1.40	10.76	V	
	14640	-47.03	-40	-7.03	-51.34	-56.54	1.58	11.09	V	
	14760	-47.09	-40	-7.09	-51.96	-56.72	1.62	11.25	V	



3640MHz + 3680MHz / 40MHz+40MHz High Channel									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
40MHz + 40MHz High Channel	7280	-49.37	-40	-9.37	-45.66	-59.25	1.20	11.08	H
	7360	-46.50	-40	-6.50	-42.08	-56.26	1.27	11.03	H
	10920	-51.86	-40	-11.86	-51.37	-60.94	1.37	10.45	H
	11040	-50.64	-40	-10.64	-50.47	-59.92	1.38	10.66	H
	14560	-46.18	-40	-6.18	-47.99	-55.78	1.56	11.16	H
	14720	-50.52	-40	-10.52	-53.28	-60.11	1.61	11.20	H
	7280	-45.36	-40	-5.36	-42.52	-55.31	1.20	11.15	V
	7360	-45.56	-40	-5.56	-41.52	-55.23	1.27	10.94	V
	10920	-52.18	-40	-12.18	-51.75	-61.33	1.37	10.52	V
	11040	-50.26	-40	-10.26	-50.14	-59.53	1.38	10.64	V
	14560	-47.12	-40	-7.12	-50.75	-56.70	1.56	11.15	V
	14720	-46.43	-40	-6.43	-51.21	-55.99	1.61	11.17	V



<Multi Carrier (Non-Contiguous)>

3560MHz + 3690MHz / 20MHz(Low Channel)+20MHz (High Channel)									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
20MHz (Low Channel) + 20MHz (High Channel)	7120	-43.28	-40	-3.28	-40.02	-53.36	1.15	11.22	H
	7380	-47.04	-40	-7.04	-42.59	-56.77	1.28	11.02	H
	10680	-51.15	-40	-11.15	-50.02	-60.54	1.39	10.78	H
	11070	-51.52	-40	-11.52	-51.35	-60.86	1.40	10.74	H
	14240	-47.41	-40	-7.41	-49.75	-57.37	1.52	11.48	H
	14760	-49.34	-40	-9.34	-52.1	-59.02	1.62	11.30	H
	7120	-42.95	-40	-2.95	-40.44	-52.99	1.15	11.18	V
	7380	-44.67	-40	-4.67	-40.61	-54.37	1.28	10.98	V
	10680	-52.07	-40	-12.07	-50.83	-61.53	1.39	10.85	V
	11070	-50.81	-40	-10.81	-50.72	-60.18	1.40	10.76	V
	14240	-46.91	-40	-6.91	-50.11	-56.98	1.52	11.59	V
	14760	-47.29	-40	-7.29	-52.16	-56.92	1.62	11.25	V



3560MHz + 3680MHz / 20MHz(Low Channel)+40MHz (High Channel)										
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
20MHz (Low Channel) + 40MHz (High Channel)	7120	-42.81	-40	-2.81	-39.55	-52.89	1.15	11.22	H	
	7360	-46.94	-40	-6.94	-42.52	-56.70	1.27	11.03	H	
	10680	-51.98	-40	-11.98	-50.85	-61.37	1.39	10.78	H	
	11040	-50.41	-40	-10.41	-50.24	-59.69	1.38	10.66	H	
	14240	-48.39	-40	-8.39	-50.73	-58.35	1.52	11.48	H	
	14720	-47.96	-40	-7.96	-50.72	-57.55	1.61	11.20	H	
	7120	-43.02	-40	-3.02	-40.51	-53.06	1.15	11.18	V	
	7360	-45.33	-40	-5.33	-41.38	-55.01	1.27	10.94	V	
	10680	-52.22	-40	-12.22	-50.98	-61.68	1.39	10.85	V	
	11040	-50.96	-40	-10.96	-50.85	-60.22	1.38	10.64	V	
	14240	-47.08	-40	-7.08	-50.28	-57.15	1.52	11.59	V	
	14720	-46.83	-40	-6.83	-51.64	-56.40	1.61	11.17	V	

3570MHz+ 3690MHz/ 40MHz(Low Channel)+20MHz (High Channel)										
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
40MHz (Low Channel) + 20MHz (High Channel)	7140	-43.33	-40	-3.33	-40.23	-53.37	1.14	11.18	H	
	7380	-46.96	-40	-6.96	-42.51	-56.69	1.28	11.02	H	
	10710	-51.20	-40	-11.20	-50.11	-60.58	1.38	10.76	H	
	11070	-51.24	-40	-11.24	-51.07	-60.58	1.40	10.74	H	
	14280	-46.73	-40	-6.73	-49.1	-56.59	1.52	11.38	H	
	14760	-50.36	-40	-10.36	-53.12	-60.04	1.62	11.30	H	
	7140	-47.62	-40	-7.62	-45.36	-57.60	1.14	11.12	V	
	7380	-44.16	-40	-4.16	-40.1	-53.86	1.28	10.98	V	
	10710	-51.65	-40	-11.65	-50.46	-61.12	1.38	10.85	V	
	11070	-51.30	-40	-11.30	-51.21	-60.67	1.40	10.76	V	
	14280	-46.89	-40	-6.89	-50.25	-56.84	1.52	11.47	V	
	14760	-47.11	-40	-7.11	-51.98	-56.74	1.62	11.25	V	



3570MHz + 3680MHz/ 40MHz(Low Channel)+40MHz (High Channel)									
Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
40MHz (Low Channel) + 40MHz (High Channel)	7140	-44.69	-40	-4.69	-41.59	-54.73	1.14	11.18	H
	7360	-46.13	-40	-6.13	-41.71	-55.89	1.27	11.03	H
	10710	-51.65	-40	-11.65	-50.56	-61.03	1.38	10.76	H
	11040	-51.39	-40	-11.39	-51.22	-60.67	1.38	10.66	H
	14280	-46.98	-40	-6.98	-49.35	-56.84	1.52	11.38	H
	14720	-50.60	-40	-10.60	-53.36	-60.19	1.61	11.20	H
	7140	-47.65	-40	-7.65	-45.39	-57.63	1.14	11.12	V
	7360	-46.36	-40	-6.36	-42.41	-56.04	1.27	10.94	V
	10710	-51.77	-40	-11.77	-50.58	-61.24	1.38	10.85	V
	11040	-51.47	-40	-11.47	-51.36	-60.73	1.38	10.64	V
	14280	-47.45	-40	-7.45	-50.81	-57.40	1.52	11.47	V
	14720	-47.64	-40	-7.64	-52.45	-57.21	1.61	11.17	V